

**UNIT-SPECIFIC TECHNICAL MEMORANDUM: X-312 TANK FARM**  
**PRATT & WHITNEY, EAST HARTFORD, CT**

**AREA:** North Klondike

**SUB-AREA:** X-312/X-314

**ENVIRONMENTAL UNIT:** X-312 Tank Farm

**Location:** In the southwestern corner of the North Klondike Area, this unit is located east of Perimeter Road and north of the Tie-Down Area (Drawing 1).

**Description:** A former tank farm was used for the storage of fuel for distribution to the X-307, X-309, X-312, and X-314 test stands. The tank farm consisted of three 3,000-gallon and two 5,000-gallon steel underground storage tanks (USTs). These USTs are shown on two drawings, the "Piping, Compressor, & Fuel: X-307, X-309, and X-312" and the "Installation of 3,000 Gallon Fuel Tanks in Klondike". In addition, aerial photographs and a facility fire protection map shows a 15,000-gallon Jet "A" fuel UST immediately east of the tank farm.

**Dates of Operation:** Approximately 1957 to early 1990's. The test stands were built in 1957 and remained in place until they were demolished in the early 1990's. The operation of the tank farm was presumed to parallel that of the test stands.

**Processes:** Jet fuels, including "A", JP-4, and JP-5, were supplied to the test stands. The fuels were pumped from the tank farm to the various test stands through underground fuel distribution lines.

**Aerial Photographs:** Large-scale aerial photographs for 1965, 1970, and 1975 were obtained from Keystone Aerial Surveys Inc. Nine smaller-scale aerial photographs were obtained from the Pratt and Whitney (P&W) Photographic Services Department. All of the large-scale and smaller-scale aerial photographs reveal that the X-312 Tank Farm was an existing unit in the North Klondike as early as 1965. Photographs, dated from 1970, indicate that the tank farm was extended to the east by the addition of another tank. The above ground piping for this unit could be observed in the photographs.

**Specific Contaminants of Concern:** The specific contaminants are jet fuels. However, in order to be as comprehensive as possible in the investigation that was conducted, the following constituent groups were analyzed for: volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, nickel, and zinc), and total petroleum hydrocarbons (TPH).

**Potential Release Mechanism:** Impacts to soils and groundwater associated with potential spills or leaks associated with tank filling and tank leakage from the bulk fuel storage tanks.

**INVESTIGATION AND REMEDIATION ACTIVITIES:**

Due to the potential for releases associated with the X-312 Tank Farm Area, various historical investigations have been conducted within this area, generating analytical data in the general vicinity of the unit. In order to be as comprehensive as possible, presentation of this data is included below in chronological order. Historical investigations for the X-312 Tank Farm Area were conducted in November 1991 and May 1992. Prior to 1991, no investigation of this unit had reportedly been performed.

During November 1991, monitoring well NK-MW-07 was installed in the vicinity of the X-312 Tank Farm Area. This monitoring well was installed during an East Hartford site-wide groundwater investigation by Haley and Aldrich, Inc. (H&A). This monitoring well was installed as part of the investigation of groundwater contamination suspected to be from potential release associated with the X-312 Tank Farm Area. The sampling location is shown on Drawing 2. During the installation of this monitoring well, no soil samples were collected for laboratory analysis.

Supplemental groundwater investigations have also been conducted in the vicinity of the X-312 Tank Farm since the installation of this monitoring well. In order to be as comprehensive as possible, presentation of this incidental data is discussed as part of this Unit-Specific Technical Memorandum. A summary of the groundwater samples collected and analyses performed is included in Table 1. Concentrations of constituents detected in groundwater samples collected from this monitoring well is presented in Table 4. A complete summary of groundwater sample analytical results with detection limits is presented in Table 5. Detected concentrations at each groundwater sampling location are shown on Drawing 2.

VOCs detected in groundwater from this monitoring well have included only xylenes (XYL). XYL were detected at a concentration of 11 micrograms per liter ( $\mu\text{g/l}$ ). Additionally, two metals were detected in the groundwater samples collected from this monitoring well. These metals include barium and zinc. No elevated concentrations were noted for the metals. For a more detailed account of the groundwater sampling conducted in this area refer to *Technical Memorandum (TM) 3, Groundwater Sampling and Quality*.

Subsurface investigations were also conducted to determine the degree and extent of potential soil contamination, specifically associated with the X-312 Tank Farm. These investigations were completed in August, November and December 1996. The investigations are discussed below in chronological order.

#### **August 1996 Investigation (Loureiro Engineering Associates, Inc.):**

**Description:** On August 13 and 14, 1996, four soil borings, NK-SB-47 through NK-SB-50, were advanced in the vicinity of the former tank farm by Loureiro Engineering Associates, Inc (LEA). The soil sampling locations are shown on Drawing 1. Soil samples were collected in continuous 2-foot intervals to 14 feet, with a 1-foot interval from 14 to 15 feet. The depth of 15 feet was selected to ensure that sufficient data was collected for comparison to the direct exposure criteria of the Connecticut Remediation Standard Regulation (RSR).

A total of 35 soil samples were submitted to the LEA Analytical Laboratory and screened for the presence of target VOCs, including benzene (BZ), ethylbenzene (EBZ), tetrachloroethylene (PCE), toluene (TL), 1,1,1-trichloroethane (TCA), trichloroethylene (TCE), and XYL. Based on visual, olfactory, or instrument evidence, and with consideration of the potential release mechanism, two samples from each boring were submitted to Averill Environmental Laboratory, Inc. (AEL) and analyzed for the presence of VOCs, metals and TPH.

In addition, a groundwater sample was collected from each of the four borings, NK-SB-47 through NK-SB-50, using Geoprobe® screenpoint groundwater sampling techniques. The groundwater samples were collected from a depth of 9.5 to 11.5 feet below the ground surface. The groundwater samples were submitted to the LEA Analytical Laboratory for analysis of target VOCs and to AEL for VOCs, metals, and TPH. The sample from NK-SB-47 was analyzed for all of these analytes. However, due to a laboratory error, only the metals were analyzed in the samples from NK-SB-48 and NK-SB-49, and none of the analytes were analyzed from NK-SB-50. A summary of the samples collected and analyses performed is included in Table 1.

**Investigation Results:** Based on the boring logs, groundwater was encountered at approximately 6 to 8 feet below the ground surface. Varved clay was encountered between 10 and 12 feet in the borings. A strong petroleum odor was detected in soil samples collected from boring NK-SB-49 at depths of 8 to 12 feet.

Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations at each soil sampling location are shown on Drawing 1. Several VOCs, including TCE, PCE, EBZ, BZ, TL, and XYL, were detected in the soil samples submitted to the LEA Analytical Laboratory and to AEL. VOCs were detected in the soil samples from NK-SB-47, NK-SB-49, and NK-SB-50. The highest VOC concentration detected in the soil samples was TCE at a concentration of 463 micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ) in boring NK-SB-49 at a depth of 8 to 10 feet.

One or more of the metals analyzed were detected in each of the nine soil samples submitted for analysis. These metals include arsenic, barium, chromium, mercury, nickel, silver, and zinc. TPH was detected in three of the eight soil samples analyzed. TPH was detected at concentrations of 420 milligrams per kilogram ( $\text{mg}/\text{kg}$ ) and 1,540  $\text{mg}/\text{kg}$  in soil borings NK-SB-48 and NK-SB-49, both at a depth of 8 to 10 feet. TPH was detected at 251  $\text{mg}/\text{kg}$  in soil boring NK-SB-50 at a depth of 6 to 8 feet.

Concentrations of constituents detected in the groundwater samples are presented in Table 4. A complete summary of groundwater analytical results with detection limits is presented in Table 5. Detected concentrations at each groundwater sampling location are shown on Drawing 2. TPH was not detected in the single groundwater sample analyzed.

Only TCE was detected in the groundwater samples from borings NK-SB-49 and NK-SB-50. The highest concentration of TCE detected was 6J  $\mu\text{g}/\text{l}$ . The "J" qualifier indicates that the value was estimated because the concentration was detected below the method detection limit.

Nickel was detected in the groundwater sample analyzed from NK-SB-47 at a concentration of 0.235 milligrams per liter (mg/l). No metals were detected in the groundwater samples analyzed by AEL from NK-SB-48 and NK-SB-49.

**Data Evaluation and Conclusions:** The data were compared to the default numeric criteria included in the RSR and the site-wide background soil concentrations for various metals (Fuss & O'Neill, 1994). For a more detailed discussion of background concentrations of metals in soil refer to *TM 4, Background Soil Sampling and Analysis*. Criteria are established in the RSR based on exposure pathways for various environmental media, including soil and groundwater. The evaluation of the soils data is based on a comparison to the default numeric residential direct exposure criteria (RDEC), the industrial/commercial direct exposure criteria (IDEC), and the GB pollutant mobility criteria (GBPMC) included in the RSR. The evaluation of the groundwater data is based on a comparison to the residential volatilization criteria (RVC), the industrial/commercial volatilization criteria (IVC), and the surface water protection criteria (SWPC) included in the RSR.

The only soil exceedances of the RSR occurred in soil boring NK-SB-49. TPH was detected above the RDEC, but not above the IDEC, in the soil sample collected from the 8 to 10 foot interval in soil boring NK-SB-49 as shown in Table 6. For the VOCs detected in soil, no exceedances of the RDEC, the IDEC, or the GBPMC were noted. The concentrations of VOCs detected in groundwater did not exceed the SWPC, the RVC, or the IVC. The concentration of the metals detected in the soil samples are typical of site-wide background concentrations. Metals were not detected above the RDEC or the IDEC. For the metals detected in the groundwater, no exceedances of the SWPC were noted.

Based on the presence of VOCs and TPH in the soil samples, there is evidence that a release of petroleum may have occurred in the vicinity of this unit. The degree and extent of the release has not been adequately characterized in the vicinity of the former tank farm. Therefore, additional soil and groundwater samples were necessary to define the extent of the contamination.

#### **November and December 1996 Investigation (LEA):**

**Description:** On November 13 through November 15, 1996, eight soil borings, NK-SB-223 through NK-SB-230, were advanced in the vicinity of the former tank farm. Also, on December 16, 1996, one soil boring, NK-SB-231, was advanced directly northeast of the former tank farm between NK-SB-229 and NK-SB-230. The soil sampling locations are shown on Drawing 1. All of the borings were advanced to a depth of 12 feet. The depth of 12 feet was selected in an attempt to ensure that the varved clay was encountered. Soil samples were collected from each of the borings in continuous 2-foot intervals.

A total of 56 soil samples was submitted to the LEA Analytical Laboratory and screened for the presence of target VOCs. Based on visual, olfactory, or instrument evidence, and with consideration of the potential release mechanism, one to two samples from each boring were submitted to AEL and analyzed for the presence of VOCs, SVOCs, and TPH. A summary of the

samples collected and analyses performed is included in Table 1.

In addition, groundwater samples were collected on December 16, 1996, from borings NK-SB-225 through NK-SB-227 and NK-SB-229 using Geoprobe® screenpoint groundwater sampling techniques. The groundwater samples were collected from a depth of 10 to 12 feet below the ground surface. The groundwater sampling locations are shown on Drawing 2. The groundwater samples were submitted to AEL for analysis of VOCs, SVOCs, and TPH. A summary of the samples collected and analyses performed is included in Table 1.

**Investigation Results:** Based on the boring logs, groundwater was encountered approximately 5 to 8 feet below ground surface. Varved clay was encountered in most of the borings between 9 to 12 feet. However, varved clay was not encountered in borings NK-SB-225 through NK-SB-227. Petroleum odors and dark stains were detected in soil samples collected from borings NK-SB-225 and NK-SB-231 at depths of 6 to 10 feet.

Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations at each soil sampling location are shown on Drawing 1. Several VOCs, including TCE, acetone (ACT), EBZ, and XYL were detected in the soil samples submitted to the LEA Analytical Laboratory or to AEL. VOCs were detected in the soil samples from every boring except NK-SB-231. The highest VOC concentration detected in the soil samples was TCE at a concentration of 4,800 J11  $\mu\text{g}/\text{kg}$  in boring NK-SB-225 at a depth of 8 to 10 feet. The "J11" qualifier indicates that the value was estimated because the concentration was above the calibration limit.

One SVOC was detected in the soil samples submitted to AEL from borings NK-SB-225 and NK-SB-226. Di-n-butyl phthalate (DBP) was detected at a concentration of 1,000  $\mu\text{g}/\text{kg}$  in both borings at a depth of 8 to 10 feet. No other SVOCs were detected for the remaining four samples submitted for fixed laboratory analysis.

TPH was detected in six of the seventeen analyzed soil samples. TPH was detected at concentrations of 4,610  $\text{mg}/\text{kg}$  and 3,240  $\text{mg}/\text{kg}$  in soil borings NK-SB-225 and NK-SB-226, both at a depth of 8 to 10 feet. TPH was detected at concentrations of 1,470  $\text{mg}/\text{kg}$  and 3,660  $\text{mg}/\text{kg}$  in soil boring NK-SB-224 at depths of 4 to 6 feet and 6 to 8 feet, respectively, and at concentrations of 37.7  $\text{mg}/\text{kg}$  and 218  $\text{mg}/\text{kg}$  in soil boring NK-SB-231 at depths of 6 to 8 and 8 to 10 feet, respectively.

Concentrations of constituents detected in the groundwater samples are presented in Table 4. A complete summary of groundwater analytical results with detection limits is presented in Table 5. Detected concentrations at each groundwater sampling location are shown on Drawing 2. TPH was detected in two groundwater samples, NK-SB-225 and NK-SB-226, at concentrations of 2.9  $\text{mg/l}$  and 3.0  $\text{mg/l}$ , respectively.

Several VOCs, including BZ, EBZ, PCE, TCE, TL, TCA, and XYL, were detected in the groundwater samples from borings NK-SB-225, NK-SB-226 and NK-SB-227. The VOC with the highest concentration detected was XYL. The highest concentration of XYL detected was at

a concentration of 2,500 J11 µg/l in boring NK-SB-226.

Two SVOCs were detected in the groundwater samples submitted to AEL from borings NK-SB-225 and NK-SB-226. Bis(2-ethylhexyl)phthalate (DEHP) and naphthalene (NAP) were detected in boring NK-SB-225 at concentrations of 1.7 MDL µg/l and 16 µg/l, respectively. The "MDL" qualifier indicates that the constituent was reported to the method detection limit. In boring NK-SB-226, DEHP and NAP were detected at concentrations of 2.3 MDL µg/l and 47 µg/l, respectively. No other SVOCs were detected for the remaining two samples submitted for fixed laboratory analysis.

**Data Evaluation and Conclusions:** The data were compared against the default numeric criteria included in the RSR. For the VOCs and SVOCs detected in soil, no exceedances of the RDEC, the IDEC, or the GBPMC were noted. TPH was detected in borings NK-SB-224, NK-SB-225, and NK-SB-226 at a concentration above the RDEC, the IDEC, and the GBPMC as shown in Table 7, Table 8, and Table 9, respectively. For the VOCs and SVOCs detected in groundwater, no exceedances of the SWPC, the RVC, and the IVC were noted.

In summary, concentrations of TPH which exceeded the RSR were detected in soils samples from borings NK-SB-49, NK-SB-224, NK-SB-225, and NK-SB-226. Of these TPH exceedances, exceedances of the IDEC were identified in borings NK-SB-224 and NK-SB-225 at depths below 4 feet. The use of an Environmental Land Use Restriction (ELUR) for soils below four feet will satisfy the criteria for inaccessible soil. As for the GBPMC exceedances, the majority of the exceedances are below the seasonal high water table and the GBPMC only applies above the seasonal high water table. The one exceedance of the GBPMC, which appears to be above the water table, was identified in boring NK-SB-224 at a depth of 4 to 6 feet.

Considering the above investigations, the remediation of the area near the soil exceedance in boring NK-SB-224 at a depth of 4 to 6 feet is scheduled as part of the Klondike Soil Removal Project. For a more detailed discussion of the Klondike Soil Removal Project refer to *TM 14, Soil Removals*.

After these soils have been removed, confirmational samples of the excavation sidewalls will be collected to confirm the removal of the material. The confirmational samples will be analyzed for VOCs, SVOCs, and TPH to confirm that the constituents detected have been removed. For the remaining soil below four feet from the ground surface, an ELUR for industrial/commercial use and inaccessible soil will be recorded in order to satisfy the RSR criteria for site use and accessibility. Subsequently, with the soil exceedances removed, this unit will have been adequately characterized and no further investigation will be warranted at this unit.

## REFERENCES:

Fire Protection System-East Hartford Plant. May 1976, Pratt & Whitney Plant Engineering Department.

Fuss & O'Neill, Inc., 1994, *Soil Sampling Background Areas – North Klondike*, prepared for Pratt & Whitney.

Haley & Aldrich, Inc., January 1993, *Site-Wide Environmental Monitoring Report. Pratt & Whitney Facility, East Hartford, CT*, prepared for Pratt & Whitney.

*Installation of 3,000 Gallon Fuel Tanks in Klondike.* February October 1959, Pratt and Whitney Plant Engineering Department.

Keystone Aerial Surveys, Inc., 1965, *Aerial Photo of Rentschler Airport and Surrounding Areas*, East Hartford, CT.

Keystone Aerial Surveys, Inc., 1970, *Aerial Photo of Rentschler Airport and Surrounding Areas*, East Hartford, CT.

Keystone Aerial Surveys, Inc., 1975, *Aerial Photo of Rentschler Airport and Surrounding Areas*, East Hartford, CT.

P&W Photographic Services Department, 1969, *Aerial Photograph, Negative Number Z-36268*, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1975, *Aerial Photograph, Negative Number CN-50747*, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1977, *Aerial Photograph, Negative Number 77445-0054AC*, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1977, *Aerial Photograph, Negative Number 77-445-0054-AC*, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1983, *Aerial Photograph, Negative Number 83C3381-069*, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1983, *Aerial Photograph, Negative Number 83C1793-042*, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1983, *Aerial Photograph, Negative Number 83C1693-041*, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1983, *Aerial Photograph, Negative Number 83C3381-066*, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1983, *Aerial Photograph, Negative Number 83C1793-040*, Pratt & Whitney, East Hartford, CT.

*Piping, Compressor, & Fuel: X-307, X-309, and X-312.* September 1960. Pratt and Whitney Plant Engineering Department.

**TABLES**

**Table 1**  
**SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 1 of 4

Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-MW-07	01071111391	11/14/91	5.0	12.5	GW		x					x		
NK-MW-07	01071060992	6/10/92	5.0	12.5	GW		x					x		
NK-MW-07	1016660	8/7/96	5.0	12.5	GW		x					x		x
NK-MW-07	1634489	6/4/97	5.0	12.5	GW		x					x		
NK-MW-07	1647390	11/20/97	5	12.5	GW		x					x		
NK-SB-223	1021761	11/13/96	0	2	SB	x								
NK-SB-223	1021762	11/13/96	2	4	SB	x								
NK-SB-223	1021763	11/13/96	4	6	SB	x	x							x
NK-SB-223	1021764	11/13/96	6	8	SB	x								
NK-SB-223	1021765	11/13/96	8	10	SB	x								
NK-SB-224	1021766	11/13/96	0	2	SB	x								
NK-SB-224	1021767	11/13/96	2	4	SB	x								
NK-SB-224	1021768	11/13/96	4	6	SB	x	x	x						x
NK-SB-224	1021769	11/13/96	6	8	SB	x	x							x
NK-SB-224	1021770	11/13/96	8	10	SB	x								
NK-SB-224	1021771	11/13/96	10	12	SB	x								
NK-SB-225	1021774	11/14/96	0	2	SB	x								
NK-SB-225	1021775	11/14/96	2	4	SB	x								
NK-SB-225	1021776	11/14/96	2	4	SB	x								
NK-SB-225	1021777	11/14/96	4	6	SB	x								
NK-SB-225	1021778	11/14/96	6	8	SB	x								
NK-SB-225	1021779	11/14/96	8	10	SB	x	x	x						x
NK-SB-225	1021780	11/14/96	10	12	SB	x	x							x
NK-SB-225	1021833	12/16/96	10.0	12.0	GW		x		x					x
NK-SB-226	1021781	11/14/96	0	2	SB	x								
NK-SB-226	1021782	11/14/96	2	4	SB	x	x	x	x					x
NK-SB-226	1021783	11/14/96	4	6	SB	x								
NK-SB-226	1021784	11/14/96	6	8	SB	x								
NK-SB-226	1021785	11/14/96	8	10	SB	x	x	x						x
NK-SB-226	1021786	11/14/96	10	12	SB	x								
NK-SB-226	1021834	12/16/96	10.0	12.0	GW		x	x						x

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 10/28/98

**LEA**

**Table 1**  
**SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 2 of 4

Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SB-227	1021787	11/14/96	0	2	SB	x								
NK-SB-227	1021788	11/14/96	2	4	SB	x								
NK-SB-227	1021789	11/14/96	4	6	SB	x								
NK-SB-227	1021790	11/14/96	6	8	SB	x	x							x
NK-SB-227	1021791	11/14/96	8	10	SB	x	x							x
NK-SB-227	1021792	11/14/96	10	12	SB	x								
NK-SB-227	1021835	12/16/96	10.0	12.0	GW		x	x						x
NK-SB-228	1021793	11/14/96	0	2	SB	x								
NK-SB-228	1021794	11/14/96	2	4	SB	x								
NK-SB-228	1021795	11/14/96	4	6	SB	x								
NK-SB-228	1021796	11/14/96	6	8	SB	x								
NK-SB-228	1021797	11/14/96	8	10	SB	x	x							x
NK-SB-228	1021798	11/14/96	10	12	SB	x	x							x
NK-SB-229	1021801	11/15/96	0	2	SB	x								
NK-SB-229	1021802	11/15/96	2	4	SB	x								
NK-SB-229	1021803	11/15/96	4	6	SB	x	x							x
NK-SB-229	1021804	11/15/96	6	8	SB	x								
NK-SB-229	1021805	11/15/96	8	10	SB	x	x							x
NK-SB-229	1021806	11/15/96	10	12	SB	x								
NK-SB-229	1021832	12/16/96	10.0	12.0	GW		x	x						x
NK-SB-230	1021807	11/15/96	0	2	SB	x								
NK-SB-230	1021808	11/15/96	2	4	SB	x								
NK-SB-230	1021809	11/15/96	4	6	SB	x	x							x
NK-SB-230	1021810	11/15/96	4	6	SB	x	x							x
NK-SB-230	1021811	11/15/96	6	8	SB	x								
NK-SB-230	1021812	11/15/96	8	10	SB	x								
NK-SB-230	1021813	11/15/96	10	12.5	SB	x								
NK-SB-231	1023647	12/16/96	0	2	SB	x								
NK-SB-231	1023648	12/16/96	2	4	SB	x								
NK-SB-231	1023649	12/16/96	6	8	SB	x		x		x				x
NK-SB-231	1023650	12/16/96	6	8	SB	x	x		x					
NK-SB-231	1023651	12/16/96	8	10	SB	x	x	x	x					x

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 10/28/98

**LEA**

**Table 1**  
**SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 3 of 4

Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SB-231	1023652	12/16/96	10	12	SB	x								
NK-SB-231	1023653	12/16/96	12	13	SB	x								
NK-SB-47	1017149	8/13/96	0	2	SB	x	x					x		x
NK-SB-47	1017150	8/13/96	2	4	SB	x								
NK-SB-47	1017151	8/13/96	4	6	SB	x								
NK-SB-47	1017152	8/13/96	6	8	SB	x	x					x		x
NK-SB-47	1017153	8/13/96	6	8	SB	x	x					x		x
NK-SB-47	1017154	8/13/96	8	10	SB	x								
NK-SB-47	1017155	8/13/96	10	12	SB	x								
NK-SB-47	1017207	8/13/96	9.5	10.5	GW	x	x					x		x
NK-SB-47	1017156	8/13/96	12	14	SB	x								
NK-SB-47	1017157	8/13/96	14	15	SB	x								
NK-SB-48	1017158	8/14/96	0	2	SB	x	x					x		x
NK-SB-48	1017159	8/14/96	2	4	SB	x								
NK-SB-48	1017160	8/14/96	4	6	SB	x								
NK-SB-48	1017161	8/14/96	6	8	SB	x								
NK-SB-48	1017162	8/14/96	8	10	SB	x	x					x		x
NK-SB-48	1017163	8/14/96	10	12	SB	x								
NK-SB-48	1017210	8/14/96	9.5	10.5	GW	x						x		
NK-SB-48	1017164	8/14/96	12	14	SB	x								
NK-SB-48	1017165	8/14/96	14	15	SB	x								
NK-SB-49	1017168	8/14/96	0	2	SB	x	x					x		x
NK-SB-49	1017169	8/14/96	2	4	SB	x								
NK-SB-49	1017170	8/14/96	4	6	SB	x								
NK-SB-49	1017171	8/14/96	6	8	SB	x								
NK-SB-49	1017172	8/14/96	8	10	SB	x	x					x		x
NK-SB-49	1017173	8/14/96	10	12	SB	x								
NK-SB-49	1017213	8/14/96	9.5	10.5	GW	x						x		
NK-SB-49	1017174	8/14/96	12	14	SB	x								
NK-SB-49	1017175	8/14/96	14	15	SB	x								
NK-SB-50	1017176	8/14/96	0	2	SB	x	x					x		x
NK-SB-50	1017177	8/14/96	0	2	SB	x								

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 10/28/98

**LEA**

**Table 1**  
**SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION**  
**P&W East Hartford: X-312 Tank Farm**

DRAFT

Page 4 of 4

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit  
2. Printed on 10/28/98

**Table 2** DRA  
**SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

Page 1 of 5

Notes: 1. Only Detects Showin  
2. Printed on 10/26/98

LEA

**Table 2** DRA  
**SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

Page 2 of 5

Notes: 1. Only Detects Shown  
2. Printed on 10/26/98



**Table 2** *DR*  
**SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

Page 3 of 5

Notes: 1. Only Detects Shown  
2. Printed on 10/26/98

LEA

**Table 2** DRA  
**SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

Page 4 of 5

Notes: 1. Only Detects Shown  
2. Printed on 10/26/98

LEA

**Table 2** *DRA*  
**SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

Page 5 of 5

Notes: 1. Only Detects Shown  
2. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 1 of 85

	Location ID	NK-SB-223	NK-SB-223	NK-SB-223	NK-SB-223	NK-SB-223	NK-SB-223	NK-SB-224
	Sample ID	1021761	1021762	1021763	1021763	1021764	1021765	1021766
	Sample Date	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996
	Sample Time	13:20	13:30	13:40	13:40	13:50	14:00	14:40
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	8' - 10'	0' - 2'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-5912-504	96-5913-505	AEL96013191	96-5914-506	96-5915-507	96-5916-508	96-5917-509
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	11/14/1996	11/14/1996	11/26/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996
Date Physical Analyzed	-			12/03/1996				
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Total Petroleum Hydrocarbons	mg/kg			<38.3				
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							

Notes: 1. Printed on 10/26/98

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 2 of 85

	Location ID	NK-SB-223	NK-SB-223	NK-SB-223	NK-SB-223	NK-SB-223	NK-SB-223	NK-SB-224
	Sample ID	1021761	1021762	1021763	1021763	1021764	1021765	1021766
	Sample Date	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996
	Sample Time	13:20	13:30	13:40	13:40	13:50	14:00	14:40
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	8' - 10'	0' - 2'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-5912-504	96-5913-505	AEL96013191	96-5914-506	96-5915-507	96-5916-508	96-5917-509
Constituent	Units							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether, 4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene, 2-	µg/kg							
Chlorophenol, 2-	µg/kg							
Chlorophenyl Phenyl Ether, 4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzof[a,h]anthracene	µg/kg							
Dichlorobenzidine, 3,3'-	µg/kg							
Dichlorophenol, 2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylphenol, 2,4-	µg/kg							
Dinitro-o-cresol, 4,6-	µg/kg							
Dinitrophenol, 2,4-	µg/kg							
Dinitrotoluene, 2,4-	µg/kg							
Dinitrotoluene, 2,6-	µg/kg							
Diphenylhydrazine, 1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 3 of 85

	Location ID	NK-SB-223	NK-SB-223	NK-SB-223	NK-SB-223	NK-SB-223	NK-SB-223	NK-SB-224
Sample ID	1021761	1021762	1021763	1021763	1021764	1021765	1021766	
Sample Date	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996
Sample Time	13:20	13:30	13:40	13:40	13:50	14:00	14:40	
Sample Depth	0' - 2'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	8' - 10'	0' - 2'	
Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA	
Lab. Number	96-5912-504	96-5913-505	AEL96013191	96-5914-506	96-5915-507	96-5916-508	96-5917-509	
Constituent	Units							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg			<32				
Acrolein	µg/kg			<16				
Acrylonitrile	µg/kg			<16				
Benzene	µg/kg			<6.3				
Benzene (screening)	µg/kg	<8 nc	<8		<7	<7	<8 nc	<8
Bromobenzene	µg/kg			<6.3				
Bromoform	µg/kg			<6.3				
Carbon Disulfide	µg/kg			<6.3				
Carbon Tetrachloride	µg/kg			<6.3				
Chlorobenzene	µg/kg			<6.3				
Chlorodibromomethane	µg/kg			<6.3				
Chloroethane	µg/kg			<6.3				
Chloroethyl Vinyl Ether,2-	µg/kg			<6.3				
Chloroform	µg/kg			<6.3				
Chlorotoluene,o-	µg/kg			<6.3				
Chlorotoluene,p-	µg/kg			<6.3				
Dibromomethane	µg/kg			<6.3				

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 4 of 85

	Location ID	NK-SB-223	NK-SB-223	NK-SB-223	NK-SB-223	NK-SB-223	NK-SB-223	NK-SB-223	NK-SB-224
Sample ID	1021761	1021762	1021763	1021763	1021764	1021765	1021765	1021766	
Sample Date	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996
Sample Time	13:20	13:30	13:40	13:40	13:50	14:00			14:40
Sample Depth	0' - 2'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	8' - 10'			0' - 2'
Laboratory	LEA	LEA	AEL	LEA	LEA	LEA			LEA
Lab. Number	96-5912-504	96-5913-505	AEL96013191	96-5914-506	96-5915-507	96-5916-508			96-5917-509
Constituent	Units								
Dichlorobenzene, 1,2-	µg/kg			<6.3					
Dichlorobenzene, 1,3-	µg/kg			<6.3					
Dichlorobenzene, 1,4-	µg/kg			<6.3					
Dichlorobromomethane	µg/kg			<6.3					
Dichlorodifluoromethane	µg/kg			<6.3					
Dichloroethane, 1,1-	µg/kg			<6.3					
Dichloroethane, 1,2-	µg/kg			<6.3					
Dichloroethylene, 1,1-	µg/kg			<6.3					
Dichloroethylene, 1,2-cis-	µg/kg			<6.3					
Dichloroethylene, 1,2-trans-	µg/kg			<6.3					
Dichloropropane, 1,2-	µg/kg			<6.3					
Dichloropropylene, 1,3-cis-	µg/kg			<6.3					
Dichloropropylene, 1,3-trans-	µg/kg			<6.3					
Ethylbenzene	µg/kg			<6.3					
Ethylbenzene (screening)	µg/kg	<18 nc	<17		<16	<15	<17 nc		<16
Hexanone, 2-	µg/kg			<16					
Methyl Bromide	µg/kg			<6.3					
Methyl Chloride	µg/kg			<6.3					
Methyl Ethyl Ketone	µg/kg			<16					
Methyl-2-pentanone, 4-	µg/kg			<16					
Methyl-tert-butyl Ether	µg/kg			<6.3					
Methylene Chloride	µg/kg			<6.3					
Styrene	µg/kg			<6.3					
Tetrachloroethane, 1,1,1,2-	µg/kg			<6.3					
Tetrachloroethane, 1,1,2,2-	µg/kg			<6.3					
Tetrachloroethylene	µg/kg			<6.3					
Tetrachloroethylene (screening)	µg/kg	<22 nc	<22		<20	<19	<22 nc		<21
Toluene	µg/kg			<6.3					

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

DRAFT

Page 5 of 85

Notes: Printed on 10/26/98



**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 6 of 85

	Location ID	NK-SB-224	NK-SB-224	NK-SB-224	NK-SB-224	NK-SB-224	NK-SB-224	NK-SB-224
Sample ID	1021767	1021768	1021768	1021769	1021769	1021770	1021771	
Sample Date	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996
Sample Time	14:50	15:00	15:00	15:10	15:10	15:20	15:30	
Sample Depth	2' - 4'	4' - 6'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	
Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA	
Lab. Number	96-5918-510	AEL96013192	96-5919-511	AEL96013193	96-5921-513	96-5922-514	96-5923-515	
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	11/14/1996	11/26/1996	11/14/1996	11/26/1996	11/14/1996	11/14/1996	11/14/1996
Date Physical Analyzed	-		12/03/1996		12/03/1996			
Date Semi-volatile Organics Analyzed	-		12/03/1996					
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Hexachlorobenzene	µg/kg		<350					
Hexachlorocyclopentadiene	µg/kg		<350					
Total Petroleum Hydrocarbons	mg/kg		1470		3660			
Acenaphthene	µg/kg		<350					
Acenaphthylene	µg/kg		<350					
Anthracene	µg/kg		<350					
Benzidine	µg/kg		<350					
Benzo[a]anthracene	µg/kg		<350					
Benzo[a]pyrene	µg/kg		<350					
Benzo[b]fluoranthene	µg/kg		<350					
Benzo[ghi]perylene	µg/kg		<350					
Benzo[k]fluoranthene	µg/kg		<350					
Bis(2-chloroethoxy)methane	µg/kg		<350					
Bis(2-chlorosty)l Ether	µg/kg		<350					

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 7 of 85

	Location ID	NK-SB-224						
	Sample ID	1021767	1021768	1021768	1021769	1021769	1021770	1021771
	Sample Date	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996
	Sample Time	14:50	15:00	15:00	15:10	15:10	15:20	15:30
	Sample Depth	2' - 4'	4' - 6'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA
	Lab. Number	96-5918-510	AEL96013192	96-5919-511	AEL96013193	96-5921-513	96-5922-514	96-5923-515
Constituent	Units							
Bis(2-ethylhexyl)phthalate	µg/kg		<350					
Bromophenyl Phenyl Ether,4-	µg/kg		<350					
Butyl Benzyl Phthalate	µg/kg		<350					
Chloronaphthalene,2-	µg/kg		<350					
Chlorophenol,2-	µg/kg		<350					
Chlorophenyl Phenyl Ether,4-	µg/kg		<350					
Chrysene	µg/kg		<350					
Di-n-butyl Phthalate	µg/kg		<350					
Di-n-octyl Phthalate	µg/kg		<350					
Dibenz[a,h]anthracene	µg/kg		<350					
Dichlorobenzidine,3,3'-	µg/kg		<350					
Dichlorophenol,2,4-	µg/kg		<350					
Diethyl Phthalate	µg/kg		<350					
Dimethyl Phthalate	µg/kg		<350					
Dimethylnaphthalene,2,4-	µg/kg		<350					
Dinitro-o-cresol,4,6-	µg/kg		<350					
Dinitrophenoxy,2,4-	µg/kg		<350					
Dinitrotoluene,2,4-	µg/kg		<350					
Dinitrotoluene,2,6-	µg/kg		<350					
Diphenylhydrazine,1,2-	µg/kg		<350					
Fluoranthene	µg/kg		<350					
Fluorene	µg/kg		<350					
Hexachlorobutadiene	µg/kg		<350					
Hexachloroethane	µg/kg		<350					
Indeno(1,2,3-cd)pyrene	µg/kg		<350					
Isophorone	µg/kg		<350					
N-nitroso-n-propylamine	µg/kg		<350					
N-nitrosodimethylamine	µg/kg		<350					

Notes: 1. Printed on 10/26/98



**DRAFT**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

Page 8 of 85

	Location ID	NK-SB-224	NK-SB-224	NK-SB-224	NK-SB-224	NK-SB-224	NK-SB-224	NK-SB-224
Sample ID	1021767	1021768	1021768	1021769	1021769	1021770	1021771	
Sample Date	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	
Sample Time	14:50	15:00	15:00	15:10	15:10	15:20	15:30	
Sample Depth	2' - 4'	4' - 6'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	
Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA	
Lab. Number	96-5918-510	AEL96013192	96-5919-511	AEL96013193	96-5921-513	96-5922-514	96-5923-515	
Constituent	Units							
N-nitrosodiphenylamine	µg/kg		<350					
Naphthalene	µg/kg		<350					
Nitrobenzene	µg/kg		<350					
Nitrophenol,2-	µg/kg		<350					
Nitrophenol,4-	µg/kg		<350					
Pentachlorophenol	µg/kg		<350					
Phenanthrene	µg/kg		<350					
Phenol	µg/kg		<350					
Propane),2,2'-oxybis(2-chloro-	µg/kg		<350					
Pyrene	µg/kg		<350					
Trichlorophenol,2,4,6-	µg/kg		<350					
Acetone	µg/kg		310 J11		220 J11			
Acrolein	µg/kg		<16		<13			
Acrylonitrile	µg/kg		<16		<13			
Benzene	µg/kg		<6.4		<5.0			
Benzene (screening)	µg/kg	<8		<7		<17 nc	<8 nc	<8
Bromobenzene	µg/kg		<6.4		<5.0			
Bromoform	µg/kg		<6.4		<5.0			
Carbon Disulfide	µg/kg		<6.4		<5.0			
Carbon Tetrachloride	µg/kg		<6.4		<5.0			
Chlorobenzene	µg/kg		<6.4		<5.0			
Chlorodibromomethane	µg/kg		<6.4		<5.0			
Chloroethane	µg/kg		<6.4		<5.0			
Chloroethyl Vinyl Ether,2-	µg/kg		<6.4		<5.0			
Chloroform	µg/kg		<6.4		<5.0			
Chlorotoluene,o-	µg/kg		<6.4		<5.0			
Chlorotoluene,p-	µg/kg		<6.4		<5.0			
Dibromomethane	µg/kg		<6.4		<5.0			

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 9 of 85

	Location ID	NK-SB-224	NK-SB-224	NK-SB-224	NK-SB-224	NK-SB-224	NK-SB-224	NK-SB-224
Sample ID	1021767	1021768	1021768	1021769	1021769	1021770	1021770	1021771
Sample Date	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996	11/13/1996
Sample Time	14:50	15:00	15:00	15:10	15:10	15:20	15:20	15:30
Sample Depth	2' - 4'	4' - 6'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	8' - 10'	10' - 12'
Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA	LEA
Lab. Number	96-5918-510	AEL96013192	96-5919-511	AEL96013193	96-5921-513	96-5922-514	96-5923-515	
Constituent	Units							
Dichlorobenzene, 1,2-	µg/kg		<6.4		<5.0			
Dichlorobenzene, 1,3-	µg/kg		<6.4		<5.0			
Dichlorobenzene, 1,4-	µg/kg		<6.4		<5.0			
Dichlorobromomethane	µg/kg		<6.4		<5.0			
Dichlorodifluoromethane	µg/kg		<6.4		<5.0			
Dichloroethane, 1,1-	µg/kg		<6.4		<5.0			
Dichloroethane, 1,2-	µg/kg		<6.4		<5.0			
Dichloroethylene, 1,1-	µg/kg		<6.4		<5.0			
Dichloroethylene, 1,2-cis-	µg/kg		<6.4		<5.0			
Dichloroethylene, 1,2-trans-	µg/kg		<6.4		<5.0			
Dichloropropane, 1,2-	µg/kg		<6.4		<5.0			
Dichloropropylene, 1,3-cis-	µg/kg		<6.4		<5.0			
Dichloropropylene, 1,3-trans-	µg/kg		<6.4		<5.0			
Ethylbenzene	µg/kg		<6.4		<5.0			
Ethylbenzene (screening)	µg/kg	<17		<16		2880 E nc	222 nc	<17
Hexanone, 2-	µg/kg		<16		<13			
Methyl Bromide	µg/kg		<6.4		<5.0			
Methyl Chloride	µg/kg		<6.4		<5.0			
Methyl Ethyl Ketone	µg/kg		<16		<13			
Methyl-2-pentanone, 4-	µg/kg		<16		<13			
Methyl-tert-butyl Ether	µg/kg		<6.4		<5.0			
Methylene Chloride	µg/kg		<6.4		<8.8			
Styrene	µg/kg		<6.4		<5.0			
Tetrachloroethane, 1,1,1,2-	µg/kg		<6.4		<5.0			
Tetrachloroethane, 1,1,2,2-	µg/kg		<6.4		<5.0			
Tetrachloroethylene	µg/kg		24		8.5			
Tetrachloroethylene (screening)	µg/kg	<22		<20		<46 nc	<22 nc	<22
Toluene	µg/kg		<6.4		<5.0			

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

*DRAFT*

Page 10 of 85

Notes: 1. Printed on 10/26/98



**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 11 of 85

	Location ID	NK-SB-225						
	Sample ID	1021774	1021775	1021776	1021777	1021778	1021779	1021779
	Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996
	Sample Time	10:30	10:40	10:45	10:55	11:00	11:10	11:10
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	8' - 10'
	Laboratory	LEA	LEA	LEA	LEA	LEA	AEL	LEA
	Lab. Number	96-5936-528	96-5937-529	96-5938-530	96-5939-531	96-5940-532	AEL96013194	96-5941-533
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/28/1996	11/15/1996
Date Physical Analyzed	-						12/03/1996	
Date Semi-volatile Organics Analyzed	-						12/03/1996	
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Hexachlorobenzene	µg/kg					<380		
Hexachlorocyclopentadiene	µg/kg					<380		
Total Petroleum Hydrocarbons	mg/kg					4610		
Acenaphthene	µg/kg					<380		
Acenaphthylene	µg/kg					<380		
Anthracene	µg/kg					<380		
Benzidine	µg/kg					<380		
Benzo[a]anthracene	µg/kg					<380		
Benzo[a]pyrene	µg/kg					<380		
Benzo[b]fluoranthene	µg/kg					<380		
Benzo[ghi]perylene	µg/kg					<380		
Benzo[k]fluoranthene	µg/kg					<380		
Bis(2-chloroethoxy)methane	µg/kg					<380		
Bis(2-chloroethyl) Ether	µg/kg					<380		

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 12 of 85

	Location ID	NK-SB-225						
	Sample ID	1021774	1021775	1021776	1021777	1021778	1021779	1021779
	Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996
	Sample Time	10:30	10:40	10:45	10:55	11:00	11:10	11:10
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	8' - 10'
	Laboratory	LEA	LEA	LEA	LEA	LEA	AEL	LEA
	Lab. Number	96-5936-528	96-5937-529	96-5938-530	96-5939-531	96-5940-532	AEL96013194	96-5941-533
Constituent	Units							
Bis(2-ethylhexyl)phthalate	µg/kg						<380	
Bromophenyl Phenyl Ether,4-	µg/kg						<380	
Butyl Benzyl Phthalate	µg/kg						<380	
Chloronaphthalene,2-	µg/kg						<380	
Chlorophenol,2-	µg/kg						<380	
Chlorophenyl Phenyl Ether,4-	µg/kg						<380	
Chrysene	µg/kg						<380	
Di-n-butyl Phthalate	µg/kg						1000	
Di-n-octyl Phthalate	µg/kg						<380	
Dibenzo[a,h]anthracene	µg/kg						<380	
Dichlorobenzidine,3,3'-	µg/kg						<380	
Dichlorophenol,2,4-	µg/kg						<380	
Diethyl Phthalate	µg/kg						<380	
Dimethyl Phthalate	µg/kg						<380	
Dimethylphenol,2,4-	µg/kg						<380	
Dinitro-o-cresol,4,6-	µg/kg						<380	
Dinitrophenol,2,4-	µg/kg						<380	
Dinitrotoluene,2,4-	µg/kg						<380	
Dinitrotoluene,2,6-	µg/kg						<380	
Diphenylhydrazine,1,2-	µg/kg						<380	
Fluoranthene	µg/kg						<380	
Fluorene	µg/kg						<380	
Hexachlorobutadiene	µg/kg						<380	
Hexachloroethane	µg/kg						<380	
Indeno(1,2,3-cd)pyrene	µg/kg						<380	
Isophorone	µg/kg						<380	
N-nitroso-n-propylamine	µg/kg						<380	
N-nitrosodimethylamine	µg/kg						<380	

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 13 of 85

	Location ID	NK-SB-225	NK-SB-225	NK-SB-225	NK-SB-225	NK-SB-225	NK-SB-225	NK-SB-225
Sample ID	1021774	1021775	1021776	1021777	1021778	1021779	1021779	1021779
Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996
Sample Time	10:30	10:40	10:45	10:55	11:00	11:10	11:10	11:10
Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	8' - 10'	8' - 10'
Laboratory	LEA	LEA	LEA	LEA	LEA	AEL	LEA	
Lab. Number	96-5936-528	96-5937-529	96-5938-530	96-5939-531	96-5940-532	AEL96013194	96-5941-533	
Constituent	Units							
N-nitrosodiphenylamine	µg/kg					<380		
Naphthalene	µg/kg					<380		
Nitrobenzene	µg/kg					<380		
Nitrophenol,2-	µg/kg					<380		
Nitrophenol,4-	µg/kg					<380		
Pentachlorophenol	µg/kg					<380		
Phenanthrene	µg/kg					<380		
Phenol	µg/kg					<380		
Propane),2,2'-oxybis(2-chloro-	µg/kg					<380		
Pyrene	µg/kg					<380		
Trichlorophenol,2,4,6-	µg/kg					<380		
Acetone	µg/kg					<120		
Acrolein	µg/kg					<53		
Acrylonitrile	µg/kg					<53		
Benzene	µg/kg					<21		
Benzene (screening)	µg/kg	<8	<8 nc	<8	<7	<7		<8
Bromobenzene	µg/kg					<21		
Bromoform	µg/kg					<21		
Carbon Disulfide	µg/kg					<21		
Carbon Tetrachloride	µg/kg					<21		
Chlorobenzene	µg/kg					<21		
Chlorodibromomethane	µg/kg					<21		
Chloroethane	µg/kg					<21		
Chloroethyl Vinyl Ether,2-	µg/kg					<21		
Chloroform	µg/kg					<21		
Chlorotoluene,o-	µg/kg					<21		
Chlorotoluene,p-	µg/kg					<21		
Dibromomethane	µg/kg					<21		

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 14 of 85

	Location ID	NK-SB-225	NK-SB-225	NK-SB-225	NK-SB-225	NK-SB-225	NK-SB-225	NK-SB-225
	Sample ID	1021774	1021775	1021776	1021777	1021778	1021779	1021779
	Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996
	Sample Time	10:30	10:40	10:45	10:55	11:00	11:10	11:10
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	8' - 10'
	Laboratory Lab. Number	I.E.A 96-5936-528	I.E.A 96-5937-529	I.E.A 96-5938-530	I.E.A 96-5939-531	I.E.A 96-5940-532	AEL AEL96013194	I.E.A 96-5941-533
Constituent	Units							
Dichlorobenzene, 1,2-	µg/kg						<21	
Dichlorobenzene, 1,3-	µg/kg						<21	
Dichlorobenzene, 1,4-	µg/kg						<21	
Dichlorobromomethane	µg/kg						<21	
Dichlorodifluoromethane	µg/kg						<21	
Dichloroethane, 1,1-	µg/kg						<21	
Dichloroethane, 1,2-	µg/kg						<21	
Dichloroethylene, 1,1-	µg/kg						<21	
Dichloroethylene, 1,2-cis-	µg/kg						<21	
Dichloroethylene, 1,2-trans-	µg/kg						<21	
Dichloropropane, 1,2-	µg/kg						<21	
Dichloropropylene, 1,3-cis-	µg/kg						<21	
Dichloropropylene, 1,3-trans-	µg/kg						<21	
Ethylbenzene	µg/kg						680 J11	
Ethylbenzene (screening)	µg/kg	<16	<17 nc	<17	<15	907 E		2350 E
Hexanone, 2-	µg/kg						<53	
Methyl Bromide	µg/kg						<21	
Methyl Chloride	µg/kg						<21	
Methyl Ethyl Ketone	µg/kg						<53	
Methyl-2-pentanone, 4-	µg/kg						<53	
Methyl-tert-butyl Ether	µg/kg						<21	
Methylene Chloride	µg/kg						<21	
Styrene	µg/kg						<21	
Tetrachloroethane, 1,1,1,2-	µg/kg						<21	
Tetrachloroethane, 1,1,2,2-	µg/kg						<21	
Tetrachloroethylene	µg/kg						<21	
Tetrachloroethylene (screening)	µg/kg	<21	<22 nc	<22	<19	<20		<21
Toluene	µg/kg						<21	

Notes: 1. Printed on 10/26/98

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

DRAFT

Page 15 of 85

Notes: Printed on 10/26/98

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 16 of 85

	Location ID	NK-SB-225	NK-SB-225	NK-SB-226	NK-SB-226	NK-SB-226	NK-SB-226	NK-SB-226
	Sample ID	1021780	1021780	1021781	1021782	1021782	1021783	1021784
	Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996
	Sample Time	11:20	11:20	12:45	12:55	12:55	13:05	13:15
	Sample Depth	10' - 12'	10' - 12'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	AEL96013195	96-5943-535	96-5946-544	AEL96013196	96-5944-542	96-5945-543	96-5947-545
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	11/26/1996	11/15/1996	11/15/1996	11/26/1996	11/15/1996	11/15/1996	11/15/1996
Date Physical Analyzed	-		12/03/1996		12/03/1996			
Date Semi-volatile Organics Analyzed	-				12/03/1996			
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Hexachlorobenzene	µg/kg				<360			
Hexachlorocyclopentadiene	µg/kg				<360			
Total Petroleum Hydrocarbons	mg/kg	<40.0			<36.2			
Acenaphthene	µg/kg				<360			
Acenaphthylene	µg/kg				<360			
Anthracene	µg/kg				<360			
Benzidine	µg/kg				<360			
Benzo[a]anthracene	µg/kg				<360			
Benzo[a]pyrene	µg/kg				<360			
Benzo[b]fluoranthene	µg/kg				<360			
Benzo[ghi]perylene	µg/kg				<360			
Benzo[k]fluoranthene	µg/kg				<360			
Bis(2-chloroethoxy)methane	µg/kg				<360			
Bis(2-chloroethyl) Ether	µg/kg				<360			

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 17 of 85

	Location ID	NK-SB-225	NK-SB-225	NK-SB-226	NK-SB-226	NK-SB-226	NK-SB-226	NK-SB-226
Sample ID	1021780	1021780	1021781	1021782	1021782	1021783	1021783	1021784
Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996
Sample Time	11:20	11:20	12:45	12:55	12:55	13:05	13:05	13:15
Sample Depth	10' - 12'	10' - 12'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'
Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA	LEA
Lab. Number	AEL96013195	96-5943-535	96-5946-544	AEL96013196	96-5944-542	96-5945-543	96-5947-545	
Constituent	Units							
Bis(2-ethylhexyl)phthalate	µg/kg				<360			
Bromophenyl Phenyl Ether,4-	µg/kg				<360			
Butyl Benzyl Phthalate	µg/kg				<360			
Chloronaphthalene,2-	µg/kg				<360			
Chlorophenol,2-	µg/kg				<360			
Chlorophenyl Phenyl Ether,4-	µg/kg				<360			
Chrysene	µg/kg				<360			
Di-n-butyl Phthalate	µg/kg				<360			
Di-n-octyl Phthalate	µg/kg				<360			
Dibenzo[a,h]anthracene	µg/kg				<360			
Dichlorobenzidine,3,3'-	µg/kg				<360			
Dichlorophenol,2,4-	µg/kg				<360			
Diethyl Phthalate	µg/kg				<360			
Dimethyl Phthalate	µg/kg				<360			
Dimethylyphenol,2,4-	µg/kg				<360			
Dinitro-o-cresol,4,6-	µg/kg				<360			
Dinitrophenol,2,4-	µg/kg				<360			
Dinitrotoluene,2,4-	µg/kg				<360			
Dinitrotoluene,2,6-	µg/kg				<360			
Diphenylhydrazine,1,2-	µg/kg				<360			
Fluoranthene	µg/kg				<360			
Fluorene	µg/kg				<360			
Hexachlorobutadiene	µg/kg				<360			
Hexachloroethane	µg/kg				<360			
Indeno(1,2,3-cd)pyrene	µg/kg				<360			
Isophorone	µg/kg				<360			
N-nitroso-n-propylamine	µg/kg				<360			
N-nitrosodimethylamine	µg/kg				<360			

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 18 of 85

	Location ID	NK-SB-225	NK-SB-225	NK-SB-226	NK-SB-226	NK-SB-226	NK-SB-226	NK-SB-226
	Sample ID	1021780	1021780	1021781	1021782	1021782	1021783	1021784
	Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996
	Sample Time	11:20	11:20	12:45	12:55	12:55	13:05	13:15
	Sample Depth	10' - 12'	10' - 12'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	AEL96013195	96-5943-535	96-5946-544	AEL96013196	96-5944-542	96-5945-543	96-5947-545
Constituent	Units							
N-nitrosodiphenylamine	µg/kg				<360			
Naphthalene	µg/kg				<360			
Nitrobenzene	µg/kg				<360			
Nitrophenol,2-	µg/kg				<360			
Nitrophenol,4-	µg/kg				<360			
Pentachlorophenol	µg/kg				<360			
Phenanthrene	µg/kg				<360			
Phenol	µg/kg				<360			
Propane,2,2'-oxybis(2-chloro-	µg/kg				<360			
Pyrene	µg/kg				<360			
Trichlorophenol,2,4,6-	µg/kg				<360			
Acetone	µg/kg	<39			<30			
Acrolein	µg/kg	<16			<14			
Acrylonitrile	µg/kg	<16			<14			
Benzene	µg/kg	<6.2			<5.7			
Benzene (screening)	µg/kg		<8	<9 nc		<8	<8	<8 nc
Bromobenzene	µg/kg	<6.2			<5.7			
Bromoform	µg/kg	<6.2			<5.7			
Carbon Disulfide	µg/kg	<6.2			<5.7			
Carbon Tetrachloride	µg/kg	<6.2			<5.7			
Chlorobenzene	µg/kg	<6.2			<5.7			
Chlorodibromomethane	µg/kg	<6.2			<5.7			
Chloroethane	µg/kg	<6.2			<5.7			
Chloroethyl Vinyl Ether,2-	µg/kg	<6.2			<5.7			
Chloroform	µg/kg	<6.2			<5.7			
Chlorotoluene,o-	µg/kg	<6.2			<5.7			
Chlorotoluene,p-	µg/kg	<6.2			<5.7			
Dibromomethane	µg/kg	<6.2			<5.7			

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 19 of 85

	Location ID	NK-SB-225	NK-SB-225	NK-SB-226	NK-SB-226	NK-SB-226	NK-SB-226	NK-SB-226
	Sample ID	1021780	1021780	1021781	1021782	1021782	1021783	1021784
	Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996
	Sample Time	11:20	11:20	12:45	12:55	12:55	13:05	13:15
	Sample Depth	10' - 12'	10' - 12'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	AEL96013195	96-5943-535	96-5946-544	AEL96013196	96-5944-542	96-5945-543	96-5947-545
Constituent	Units							
Dichlorobenzene, 1,2-	µg/kg	<6.2			<5.7			
Dichlorobenzene, 1,3-	µg/kg	<6.2			<5.7			
Dichlorobenzene, 1,4-	µg/kg	<6.2			<5.7			
Dichlorobromomethane	µg/kg	<6.2			<5.7			
Dichlorodifluoromethane	µg/kg	<6.2			<5.7			
Dichloroethane, 1,1-	µg/kg	<6.2			<5.7			
Dichloroethane, 1,2-	µg/kg	<6.2			<5.7			
Dichloroethylene, 1,1-	µg/kg	<6.2			<5.7			
Dichloroethylene, 1,2-cis-	µg/kg	<6.2			<5.7			
Dichloroethylene, 1,2-trans-	µg/kg	<6.2			<5.7			
Dichloropropane, 1,2-	µg/kg	<6.2			<5.7			
Dichloropropylene, 1,3-cis-	µg/kg	<6.2			<5.7			
Dichloropropylene, 1,3-trans-	µg/kg	<6.2			<5.7			
Ethylbenzene	µg/kg	<6.2			<5.7			
Ethylbenzene (screening)	µg/kg		41	<19 nc		<17	<17	<17 nc
Hexanone, 2-	µg/kg	<16			<14			
Methyl Bromide	µg/kg	<6.2			<5.7			
Methyl Chloride	µg/kg	<6.2			<5.7			
Methyl Ethyl Ketone	µg/kg	<16			<14			
Methyl-2-pentanone, 4-	µg/kg	<16			<14			
Methyl-tert-butyl Ether	µg/kg	<6.2			<5.7			
Methylene Chloride	µg/kg	<7.8			<8.6			
Styrene	µg/kg	<6.2			<5.7			
Tetrachloroethane, 1,1,1,2-	µg/kg	<6.2			<5.7			
Tetrachloroethane, 1,1,2,2-	µg/kg	<6.2			<5.7			
Tetrachloroethylene	µg/kg	<6.2			<5.7			
Tetrachloroethylene (screening)	µg/kg		<20	<23 nc		<22	<21	<22 nc
Toluene	µg/kg	<6.2			<5.7			

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

DRAFT

Page 20 of 85

Notes: 1. Printed on 10/26/98



**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 21 of 85

	Location ID	NK-SB-226	NK-SB-226	NK-SB-226	NK-SB-227	NK-SB-227	NK-SB-227	NK-SB-227
	Sample ID	1021785	1021785	1021786	1021787	1021788	1021789	1021790
	Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996
	Sample Time	13:25	13:25	13:38	14:10	14:20	14:30	14:40
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	0' - 2'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	AEL	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96013197	96-5948-546	96-5949-547	96-5950-548	96-5951-549	96-5952-550	AEL96013198
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	11/28/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/27/1996
Date Physical Analyzed	-	12/03/1996						12/03/1996
Date Semi-volatile Organics Analyzed	-	12/03/1996						
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Hexachlorobenzene	µg/kg	<380						
Hexachlorocyclopentadiene	µg/kg	<380						
Total Petroleum Hydrocarbons	mg/kg	3240						<40.0
Acenaphthene	µg/kg	<380						
Acenaphthylene	µg/kg	<380						
Anthracene	µg/kg	<380						
Benzidine	µg/kg	<380						
Benzo[a]anthracene	µg/kg	<380						
Benzo[a]pyrene	µg/kg	<380						
Benzo[b]fluoranthene	µg/kg	<380						
Benzo[ghi]perylene	µg/kg	<380						
Benzo[k]fluoranthene	µg/kg	<380						
Bis(2-chloroethoxy)methane	µg/kg	<380						
Bis(2-chloroethyl) Ether	µg/kg	<380						

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 22 of 85

	Location ID	NK-SB-226	NK-SB-226	NK-SB-226	NK-SB-227	NK-SB-227	NK-SB-227	NK-SB-227
	Sample ID	1021785	1021785	1021786	1021787	1021788	1021789	1021790
	Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996
	Sample Time	13:25	13:25	13:38	14:10	14:20	14:30	14:40
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	0' - 2'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	AEL	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96013197	96-5948-546	96-5949-547	96-5950-548	96-5951-549	96-5952-550	AEL96013198
Constituent	Units							
Bis(2-ethylhexyl)phthalate	µg/kg	<380						
Bromophenyl Phenyl Ether,4-	µg/kg	<380						
Butyl Benzyl Phthalate	µg/kg	<380						
Chloronaphthalene,2-	µg/kg	<380						
Chlorophenol,2-	µg/kg	<380						
Chlorophenyl Phenyl Ether,4-	µg/kg	<380						
Chrysene	µg/kg	<380						
Di-n-butyl Phthalate	µg/kg	1000						
Di-n-octyl Phthalate	µg/kg	<380						
Dibenzo[a,h]anthracene	µg/kg	<380						
Dichlorobenzidine,3,3'-	µg/kg	<380						
Dichlorophenol,2,4-	µg/kg	<380						
Diethyl Phthalate	µg/kg	<380						
Dimethyl Phthalate	µg/kg	<380						
Dimethyphenol,2,4-	µg/kg	<380						
Dinitro-o-cresol,4,6-	µg/kg	<380						
Dinitrophenol,2,4-	µg/kg	<380						
Dinitrotoluene,2,4-	µg/kg	<380						
Dinitrotoluene,2,6-	µg/kg	<380						
Diphenylhydrazine,1,2-	µg/kg	<380						
Fluoranthene	µg/kg	<380						
Fluorene	µg/kg	<380						
Hexachlorobutadiene	µg/kg	<380						
Hexachloroethane	µg/kg	<380						
Indeno(1,2,3-cd)pyrene	µg/kg	<380						
Isophorone	µg/kg	<380						
N-nitroso-n-propylamine	µg/kg	<380						
N-nitrosodimethylamine	µg/kg	<380						

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 23 of 85

	Location ID	NK-SB-226	NK-SB-226	NK-SB-226	NK-SB-227	NK-SB-227	NK-SB-227	NK-SB-227
	Sample ID	1021785	1021785	1021786	1021787	1021788	1021789	1021790
	Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996
	Sample Time	13:25	13:25	13:38	14:10	14:20	14:30	14:40
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	0' - 2'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	AEL	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96013197	96-5948-546	96-5949-547	96-5950-548	96-5951-549	96-5952-550	AEL96013198
Constituent	Units							
N-nitrosodiphenylamine	µg/kg	<380						
Naphthalene	µg/kg	<380						
Nitrobenzene	µg/kg	<380						
Nitrophenol,2-	µg/kg	<380						
Nitrophenol,4-	µg/kg	<380						
Pentachlorophenol	µg/kg	<380						
Phenanthrene	µg/kg	<380						
Phenol	µg/kg	<380						
Propane),2,2'-oxybis(2-chloro-	µg/kg	<380						
Pyrene	µg/kg	<380						
Trichlorophenol,2,4,6-	µg/kg	<380						
Acetone	µg/kg	<110						<38
Acrolein	µg/kg	<56						<19
Acrylonitrile	µg/kg	<56						<19
Benzene	µg/kg	<23						<7.5
Benzene (screening)	µg/kg		<8	<8	<7	<7	<8	
Bromobenzene	µg/kg	<23						<7.5
Bromoform	µg/kg	<23						<7.5
Carbon Disulfide	µg/kg	<23						<7.5
Carbon Tetrachloride	µg/kg	<23						<7.5
Chlorobenzene	µg/kg	<23						<7.5
Chlorodibromomethane	µg/kg	<23						<7.5
Chloroethane	µg/kg	<23						<7.5
Chloroethyl Vinyl Ether,2-	µg/kg	<23						<7.5
Chloroform	µg/kg	<23						<7.5
Chlorotoluene,o-	µg/kg	<23						<7.5
Chlorotoluene,p-	µg/kg	<23						<7.5
Dibromomethane	µg/kg	<23						<7.5

Notes: 1. Printed on 10/26/98

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 24 of 85

	Location ID	NK-SB-226	NK-SB-226	NK-SB-226	NK-SB-227	NK-SB-227	NK-SB-227	NK-SB-227
	Sample ID	1021785	1021785	1021786	1021787	1021788	1021789	1021790
	Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996
	Sample Time	13:25	13:25	13:38	14:10	14:20	14:30	14:40
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	0' - 2'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	AEL	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96013197	96-5948-546	96-5949-547	96-5950-548	96-5951-549	96-5952-550	AEL96013198
Constituent	Units							
Dichlorobenzene, 1,2-	µg/kg	<23						<7.5
Dichlorobenzene, 1,3-	µg/kg	<23						<7.5
Dichlorobenzene, 1,4-	µg/kg	<23						<7.5
Dichlorobromomethane	µg/kg	<23						<7.5
Dichlorodifluoromethane	µg/kg	<23						<7.5
Dichloroethane, 1,1-	µg/kg	<23						<7.5
Dichloroethane, 1,2-	µg/kg	<23						<7.5
Dichloroethylene, 1,1-	µg/kg	<23						<7.5
Dichloroethylene, 1,2-cis-	µg/kg	<23						<7.5
Dichloroethylene, 1,2-trans-	µg/kg	<23						<7.5
Dichloropropane, 1,2-	µg/kg	<23						<7.5
Dichloropropylene, 1,3-cis-	µg/kg	<23						<7.5
Dichloropropylene, 1,3-trans-	µg/kg	<23						<7.5
Ethylbenzene	µg/kg	45						<7.5
Ethylbenzene (screening)	µg/kg		782	33	<16	<16	<16	
Hexanone, 2-	µg/kg	<56						<19
Methyl Bromide	µg/kg	<23						<7.5
Methyl Chloride	µg/kg	<23						<7.5
Methyl Ethyl Ketone	µg/kg	<56						<19
Methyl-2-pentanone, 4-	µg/kg	<56						<19
Methyl-tert-butyl Ether	µg/kg	<23						<7.5
Methylene Chloride	µg/kg	<23						<9.4
Styrene	µg/kg	<23						<7.5
Tetrachloroethane, 1,1,1,2-	µg/kg	<23						<7.5
Tetrachloroethane, 1,1,2,2-	µg/kg	<23						<7.5
Tetrachloroethylene	µg/kg	<23						<7.5
Tetrachloroethylene (screening)	µg/kg		<22	<22	<20	<20	<20	
Toluene	µg/kg	<23 N1						<7.5

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

*DRAFT*

Page 25 of 85

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 26 of 85

	Location ID	NK-SB-227	NK-SB-227	NK-SB-227	NK-SB-227	NK-SB-228	NK-SB-228	NK-SB-228
	Sample ID	1021790	1021791	1021791	1021792	1021793	1021794	1021795
	Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996
	Sample Time	14:40	14:50	14:50	15:00	15:10	15:20	15:30
	Sample Depth	6' - 8'	8' - 10'	8' - 10'	10' - 12'	0' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA	AEL	LEA	LEA	LEA	LEA	LEA
	Lab. Number	96-5953-551	AEL96013199	96-5954-552	96-5956-554	96-5957-555	96-5958-556	96-5959-557
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	11/15/1996	11/27/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996
Date Physical Analyzed	-		12/03/1996					
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Total Petroleum Hydrocarbons	mg/kg		<38.4					
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 27 of 85

	Location ID	NK-SB-227	NK-SB-227	NK-SB-227	NK-SB-227	NK-SB-228	NK-SB-228	NK-SB-228
Sample ID	1021790	1021791	1021791	1021792	1021793	1021794	1021795	
Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996
Sample Time	14:40	14:50	14:50	15:00	15:10	15:20	15:30	
Sample Depth	6' - 8'	8' - 10'	8' - 10'	10' - 12'	0' - 2'	2' - 4'	4' - 6'	
Laboratory	LEA	AEL	LEA	LEA	LEA	LEA	LEA	
Lab. Number	96-5953-551	AEL96013199	96-5954-552	96-5956-554	96-5957-555	96-5958-556	96-5959-557	
Constituent	Units							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethyphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 28 of 85

	Location ID	NK-SB-227	NK-SB-227	NK-SB-227	NK-SB-227	NK-SB-228	NK-SB-228	NK-SB-228
Sample ID	1021790	1021791	1021791	1021792	1021793	1021794	1021795	
Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996
Sample Time	14:40	14:50	14:50	15:00	15:10	15:20		15:30
Sample Depth	6' - 8'	8' - 10'	8' - 10'	10' - 12'	0' - 2'	2' - 4'		4' - 6'
Laboratory	LEA	AEL	LEA	LEA	LEA	LEA		LEA
Lab. Number	96-5953-551	AEL96013199	96-5954-552	96-5956-554	96-5957-555	96-5958-556		96-5959-557
Constituent	Units							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg		<64					
Acrolein	µg/kg		<15					
Acrylonitrile	µg/kg		<15					
Benzene	µg/kg		<5.9					
Benzene (screening)	µg/kg	<6		<8	<8	<8	<8	<8 nc
Bromobenzene	µg/kg		<5.9					
Bromoform	µg/kg		<5.9					
Carbon Disulfide	µg/kg		<5.9					
Carbon Tetrachloride	µg/kg		<5.9					
Chlorobenzene	µg/kg		<5.9					
Chlorodibromomethane	µg/kg		<5.9					
Chloroethane	µg/kg		<5.9					
Chloroethyl Vinyl Ether,2-	µg/kg		<5.9					
Chloroform	µg/kg		<5.9					
Chlorotoluene,o-	µg/kg		<5.9					
Chlorotoluene,p-	µg/kg		<5.9					
Dibromomethane	µg/kg		<5.9					

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 29 of 85

	Location ID	NK-SB-227	NK-SB-227	NK-SB-227	NK-SB-227	NK-SB-228	NK-SB-228	NK-SB-228
Sample ID	1021790	1021791	1021791	1021792	1021793	1021794	1021795	1021795
Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996
Sample Time	14:40	14:50	14:50	15:00	15:10	15:20	15:30	
Sample Depth	6' - 8'	8' - 10'	8' - 10'	10' - 12'	0' - 2'	2' - 4'	4' - 6'	
Laboratory	LEA	AEL	LEA	LEA	LEA	LEA	LEA	
Lab. Number	96-5953-551	AEL96013199	96-5954-552	96-5956-554	96-5957-555	96-5958-556	96-5959-557	
Constituent	Units							
Dichlorobenzene,1,2-	µg/kg		<5.9					
Dichlorobenzene,1,3-	µg/kg		<5.9					
Dichlorobenzene,1,4-	µg/kg		<5.9					
Dichlorobromomethane	µg/kg		<5.9					
Dichlorodifluoromethane	µg/kg		<5.9					
Dichloroethane,1,1-	µg/kg		<5.9					
Dichloroethane,1,2-	µg/kg		<5.9					
Dichloroethylene,1,1-	µg/kg		<5.9					
Dichloroethylene,1,2-cis-	µg/kg		<5.9					
Dichloroethylene,1,2-trans-	µg/kg		<5.9					
Dichloropropane,1,2-	µg/kg		<5.9					
Dichloropropylene,1,3-cis-	µg/kg		<5.9					
Dichloropropylene,1,3-trans-	µg/kg		<5.9					
Ethylbenzene	µg/kg		<5.9					
Ethylbenzenes (screening)	µg/kg	<14		<16	<16	<16	<16	<18 nc
Hexanone,2-	µg/kg		<15					
Methyl Bromide	µg/kg		<5.9					
Methyl Chloride	µg/kg		<5.9					
Methyl Ethyl Ketone	µg/kg		<15					
Methyl-2-pantanone,4-	µg/kg		<15					
Methyl-tert-butyl Ether	µg/kg		<5.9					
Methylene Chloride	µg/kg		<16					
Styrene	µg/kg		<5.9					
Tetrachloroethane,1,1,1,2-	µg/kg		<5.9					
Tetrachloroethane,1,1,2,2-	µg/kg		<5.9					
Tetrachloroethylene	µg/kg		<5.9					
Tetrachloroethylene (screening)	µg/kg	<17		<21	<21	<20	<20	<22 nc
Toluene	µg/kg		<5.9					

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

DRAFT

Page 30 of 85

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 31 of 85

	Location ID	NK-SB-228	NK-SB-228	NK-SB-228	NK-SB-228	NK-SB-228	NK-SB-229	NK-SB-229
Sample ID	1021796	1021797	1021797	1021798	1021798	1021801	1021802	
Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/15/1996	11/15/1996	
Sample Time	15:40	15:50	15:50	16:00	16:00	10:10	10:15	
Sample Depth	6' - 8'	8' - 10'	8' - 10'	10' - 12'	10' - 12'	0' - 2'	2' - 4'	
Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA	
Lab. Number	96-5960-558	AEL96013200	96-5961-559	AEL96013201	96-5962-560	96-5969-567	96-5970-568	
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	11/15/1996	11/27/1996	11/15/1996	11/27/1996	11/15/1996	11/18/1996	11/18/1996
Date Physical Analyzed	-		12/03/1996		12/03/1996			
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Total Petroleum Hydrocarbons	mg/kg		<39.6		<41.6			
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 32 of 85

	Location ID	NK-SB-228	NK-SB-228	NK-SB-228	NK-SB-228	NK-SB-228	NK-SB-229	NK-SB-229
	Sample ID	1021796	1021797	1021797	1021798	1021798	1021801	1021802
	Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/15/1996	11/15/1996
	Sample Time	15:40	15:50	15:50	16:00	16:00	10:10	10:15
	Sample Depth	6' - 8'	8' - 10'	8' - 10'	10' - 12'	10' - 12'	0' - 2'	2' - 4'
	Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA
	Lab. Number	96-5960-558	AEL96013200	96-5961-559	AEL96013201	96-5962-560	96-5969-567	96-5970-568
Constituent	Units							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether, 4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene, 2-	µg/kg							
Chlorophenol, 2-	µg/kg							
Chlorophenyl Phenyl Ether, 4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichlorobenzidine, 3,3'	µg/kg							
Dichlorophenol, 2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylophenol, 2,4-	µg/kg							
Dinitro-o-cresol, 4,6-	µg/kg							
Dinitrophenol, 2,4-	µg/kg							
Dinitrotoluene, 2,4-	µg/kg							
Dinitrotoluene, 2,6-	µg/kg							
Diphenylhydrazine, 1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 33 of 85

	Location ID	NK-SB-228	NK-SB-228	NK-SB-228	NK-SB-228	NK-SB-228	NK-SB-229	NK-SB-229
Sample ID	1021796	1021797	1021797	1021798	1021798	1021801	1021802	
Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/15/1996	11/15/1996	
Sample Time	15:40	15:50	15:50	16:00	16:00	10:10	10:15	
Sample Depth	6' - 8'	8' - 10'	8' - 10'	10' - 12'	10' - 12'	0' - 2'	2' - 4'	
Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA	
Lab. Number	96-5960-558	AEL96013200	96-5961-559	AEL96013201	96-5962-560	96-5969-567	96-5970-568	
Constituent	Units							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg	<29		<30				
Acrolein	µg/kg	<15		<14				
Acrylonitrile	µg/kg	<15		<14				
Benzene	µg/kg	<5.8		<5.4				
Benzene (screening)	µg/kg	<6	<8		<8	<7	<7	
Bromobenzene	µg/kg	<5.8		<5.4				
Bromoform	µg/kg	<5.8		<5.4				
Carbon Disulfide	µg/kg	<5.8		<5.4				
Carbon Tetrachloride	µg/kg	<5.8		<5.4				
Chlorobenzene	µg/kg	<5.8		<5.4				
Chlorodibromomethane	µg/kg	<5.8		<5.4				
Chloroethane	µg/kg	<5.8		<5.4				
Chloroethyl Vinyl Ether,2-	µg/kg	<5.8		<5.4				
Chloroform	µg/kg	<5.8		<5.4				
Chlorotoluene,o-	µg/kg	<5.8		<5.4				
Chlorotoluene,p-	µg/kg	<5.8		<5.4				
Dibromomethane	µg/kg	<5.8		<5.4				

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 34 of 85

	Location ID	NK-SB-228	NK-SB-228	NK-SB-228	NK-SB-228	NK-SB-228	NK-SB-229	NK-SB-229	NK-SB-229
	Sample ID	1021796	1021797	1021797	1021798	1021798	1021801	1021802	
	Sample Date	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/14/1996	11/15/1996	11/15/1996	
	Sample Time	15:40	15:50	15:50	16:00	16:00	10:10		10:15
	Sample Depth	6' - 8'	8' - 10'	8' - 10'	10' - 12'	10' - 12'	0' - 2'		2' - 4'
	Laboratory	LEA	AEL	LEA	AEL	LEA	LEA		LEA
	Lab. Number	96-5960-558	AEL96013200	96-5961-559	AEL96013201	96-5962-560	96-5969-567		96-5970-568
Constituent	Units								
Dichlorobenzene, 1,2-	µg/kg		<5.8		<5.4				
Dichlorobenzene, 1,3-	µg/kg		<5.8		<5.4				
Dichlorobenzene, 1,4-	µg/kg		<5.8		<5.4				
Dichlorobromomethane	µg/kg		<5.8		<5.4				
Dichlorodifluoromethane	µg/kg		<5.8		<5.4				
Dichloroethane, 1,1-	µg/kg		<5.8		<5.4				
Dichloroethane, 1,2-	µg/kg		<5.8		<5.4				
Dichloroethylene, 1,1-	µg/kg		<5.8		<5.4				
Dichloroethylene, 1,2-cis-	µg/kg		<5.8		<5.4				
Dichloroethylene, 1,2-trans-	µg/kg		<5.8		<5.4				
Dichloropropane, 1,2-	µg/kg		<5.8		<5.4				
Dichloropropylene, 1,3-cis-	µg/kg		<5.8		<5.4				
Dichloropropylene, 1,3-trans-	µg/kg		<5.8		<5.4				
Ethylbenzene	µg/kg		<5.8		<5.4				
Ethylbenzene (screening)	µg/kg	<13		<17		<17	<14		<15
Hexanone, 2-	µg/kg		<15		<14				
Methyl Bromide	µg/kg		<5.8		<5.4				
Methyl Chloride	µg/kg		<5.8		<5.4				
Methyl Ethyl Ketone	µg/kg		<15		<14				
Methyl-2-pentanone, 4-	µg/kg		<15		<14				
Methyl-tert-butyl Ether	µg/kg		<5.8		<5.4				
Methylene Chloride	µg/kg		<8.7		<14				
Styrene	µg/kg		<5.8		<5.4				
Tetrachloroethane, 1,1,1,2-	µg/kg		<5.8		<5.4				
Tetrachloroethane, 1,1,2,2-	µg/kg		<5.8		<5.4				
Tetrachloroethylene	µg/kg		<5.8		<5.4				
Tetrachloroethylene (screening)	µg/kg	<17		<22		<21	<18		<19
Toluene	µg/kg		<5.8		<5.4				

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

*DRAFT*

Page 35 of 85

Notes: 1. Printed on 10/26/98



**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 36 of 85

	Location ID	NK-SB-229	NK-SB-229	NK-SB-229	NK-SB-229	NK-SB-229	NK-SB-229	NK-SB-230
	Sample ID	1021803	1021803	1021804	1021805	1021805	1021806	1021807
	Sample Date	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996
	Sample Time	10:25	10:25	10:30	10:40	10:40	10:50	12:55
	Sample Depth	4' - 6'	4' - 6'	6' - 8'	8' - 10'	8' - 10'	10' - 12'	0' - 2'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	AEL96013202	96-5971-569	96-5972-570	AEL96013203	96-5973-571	96-5990-594	96-5991-595
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	11/27/1996	11/18/1996	11/18/1996	11/27/1996	11/18/1996	11/19/1996	11/19/1996
Date Physical Analyzed	-	12/03/1996			12/05/1996			
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Total Petroleum Hydrocarbons	mg/kg	<35.9			<38.3			
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 37 of 85

	Location ID	NK-SB-229	NK-SB-230						
	Sample ID	1021803	1021803	1021804	1021805	1021805	1021806	1021807	
	Sample Date	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996
	Sample Time	10:25	10:25	10:30	10:40	10:40	10:50	12:55	
	Sample Depth	4' - 6'	4' - 6'	6' - 8'	8' - 10'	8' - 10'	10' - 12'	0' - 2'	
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA	
	Lab. Number	AEL96013202	96-5971-569	96-5972-570	AEL96013203	96-5973-571	96-5990-594	96-5991-595	
Constituent	Units								
Bis(2-ethylhexyl)phthalate	µg/kg								
Bromophenyl Phenyl Ether,4-	µg/kg								
Butyl Benzyl Phthalate	µg/kg								
Chloronaphthalene,2-	µg/kg								
Chlorophenol,2-	µg/kg								
Chlorophenyl Phenyl Ether,4-	µg/kg								
Chrysene	µg/kg								
Di-n-butyl Phthalate	µg/kg								
Di-n-octyl Phthalate	µg/kg								
Dibenzo[a,h]anthracene	µg/kg								
Dichlorobenzidine,3,3'-	µg/kg								
Dichlorophenol,2,4-	µg/kg								
Diethyl Phthalate	µg/kg								
Dimethyl Phthalate	µg/kg								
Dimethylnaphthalene,2,4-	µg/kg								
Dinitro-o-cresol,4,6-	µg/kg								
Dinitrophenol,2,4-	µg/kg								
Dinitrotoluene,2,4-	µg/kg								
Dinitrotoluene,2,6-	µg/kg								
Diphenylhydrazine,1,2-	µg/kg								
Fluoranthene	µg/kg								
Fluorene	µg/kg								
Hexachlorobutadiene	µg/kg								
Hexachloroethane	µg/kg								
Indeno(1,2,3-cd)pyrene	µg/kg								
Isophorone	µg/kg								
N-nitroso-n-propylamine	µg/kg								
N-nitrosodimethylamine	µg/kg								

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 38 of 85

	Location ID	NK-SB-229	NK-SB-229	NK-SB-229	NK-SB-229	NK-SB-229	NK-SB-229	NK-SB-229	NK-SB-230
	Sample ID	1021803	1021803	1021804	1021805	1021805	1021806	1021807	
	Sample Date	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996
	Sample Time	10:25	10:25	10:30	10:40	10:40	10:50		12:55
	Sample Depth	4' - 6'	4' - 6'	6' - 8'	8' - 10'	8' - 10'	10' - 12'		0' - 2'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA		LEA
	Lab. Number	AEL96013202	96-5971-569	96-5972-570	AEL96013203	96-5973-571	96-5990-594		96-5991-595
Constituent	Units								
N-nitrosodiphenylamine	µg/kg								
Naphthalene	µg/kg								
Nitrobenzene	µg/kg								
Nitrophenol,2-	µg/kg								
Nitrophenol,4-	µg/kg								
Pentachlorophenol	µg/kg								
Phenanthrene	µg/kg								
Phenol	µg/kg								
Propane),2,2'-oxybis(2-chloro-	µg/kg								
Pyrene	µg/kg								
Trichlorophenol,2,4,6-	µg/kg								
Acetone	µg/kg	<34			<24				
Acrolein	µg/kg	<17			<12				
Acrylonitrile	µg/kg	<17			<12				
Benzene	µg/kg	<6.8			<4.9				
Benzene (screening)	µg/kg		<8	<7		<8	<7		<8
Bromobenzene	µg/kg	<6.8			<4.9				
Bromoform	µg/kg	<6.8			<4.9				
Carbon Disulfide	µg/kg	<6.8			<4.9				
Carbon Tetrachloride	µg/kg	<6.8			<4.9				
Chlorobenzene	µg/kg	<6.8			<4.9				
Chlorodibromomethane	µg/kg	<6.8			<4.9				
Chloroethane	µg/kg	<6.8			<4.9				
Chloroethyl Vinyl Ether,2-	µg/kg	<6.8			<4.9				
Chloroform	µg/kg	<6.8			<4.9				
Chlorotoluene,o-	µg/kg	<6.8			<4.9				
Chlorotoluene,p-	µg/kg	<6.8			<4.9				
Dibromomethane	µg/kg	<6.8			<4.9				

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 39 of 85

	Location ID	NK-SB-229	NK-SB-229	NK-SB-229	NK-SB-229	NK-SB-229	NK-SB-229	NK-SB-230
Sample ID	1021803	1021803	1021804	1021805	1021805	1021806	1021807	1021807
Sample Date	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996
Sample Time	10:23	10:25	10:30	10:40	10:40	10:50	12:55	
Sample Depth	4' - 6'	4' - 6'	6' - 8'	8' - 10'	8' - 10'	10' - 12'	0' - 2'	
Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA	
Lab. Number	AEL96013202	96-5971-569	96-5972-570	AEL96013203	96-5973-571	96-5990-594	96-5991-595	
Constituent	Units							
Dichlorobenzene, 1,2-	µg/kg	<6.8			<4.9			
Dichlorobenzene, 1,3-	µg/kg	<6.8			<4.9			
Dichlorobenzene, 1,4-	µg/kg	<6.8			<4.9			
Dichlorobromomethane	µg/kg	<6.8			<4.9			
Dichlorodifluoromethane	µg/kg	<6.8			<4.9			
Dichloroethane, 1,1-	µg/kg	<6.8			<4.9			
Dichloroethane, 1,2-	µg/kg	<6.8			<4.9			
Dichloroethylene, 1,1-	µg/kg	<6.8			<4.9			
Dichloroethylene, 1,2-cis-	µg/kg	<6.8			<4.9			
Dichloroethylene, 1,2-trans-	µg/kg	<6.8			<4.9			
Dichloropropane, 1,2-	µg/kg	<6.8			<4.9			
Dichloropropylene, 1,3-cis-	µg/kg	<6.8			<4.9			
Dichloropropylene, 1,3-trans-	µg/kg	<6.8			<4.9			
Ethylbenzene	µg/kg	<6.8			<4.9			
Ethylbenzene (screening)	µg/kg		<17	<16		<16	<16	<16
Hexanone, 2-	µg/kg	<17			<12			
Methyl Bromide	µg/kg	<6.8			<4.9			
Methyl Chloride	µg/kg	<6.8			<4.9			
Methyl Ethyl Ketone	µg/kg	<17			<12			
Methyl-2-pentanone, 4-	µg/kg	<17			<12			
Methyl-tert-butyl Ether	µg/kg	<6.8			<4.9			
Methylene Chloride	µg/kg	<6.8			<4.9			
Styrene	µg/kg	<6.8			<4.9			
Tetrachloroethane, 1,1,1,2-	µg/kg	<6.8			<4.9			
Tetrachloroethane, 1,1,2,2-	µg/kg	<6.8			<4.9			
Tetrachloroethylene	µg/kg	<6.8			<4.9			
Tetrachloroethylene (screening)	µg/kg		<22	<20		<21	<20	<20
Toluene	µg/kg	<12			<4.9			

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

DRAFT

Page 40 of 85

Notes: 1. Printed on 10/26/98



**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 41 of 85

	Location ID	NK-SB-230	NK-SB-230	NK-SB-230	NK-SB-230	NK-SB-230	NK-SB-230	NK-SB-230	NK-SB-230
Sample ID	1021808	1021809	1021809	1021810	1021810	1021811	1021811	1021812	1021812
Sample Date	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996
Sample Time	13:05	13:15	13:15	13:25	13:25	13:35	13:35	13:45	
Sample Depth	2' - 4'	4' - 6'	4' - 6'	4' - 6'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	
Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA	LEA	
Lab. Number	96-5992-596	AEL96013204	96-5993-597	AEL96013205	96-5994-598	96-5995-599	96-5996-600		
Constituent	Units								
Date Metals Analyzed	-								
Date Organics Analyzed	-	11/19/1996	11/27/1996	11/19/1996	11/27/1996	11/19/1996	11/19/1996	11/19/1996	11/19/1996
Date Physical Analyzed	-		12/05/1996		12/05/1996				
Date Semi-volatile Organics Analyzed	-								
Arsenic	mg/kg								
Barium	mg/kg								
Cadmium	mg/kg								
Chromium	mg/kg								
Lead	mg/kg								
Mercury	mg/kg								
Nickel	mg/kg								
Selenium	mg/kg								
Silver	mg/kg								
Zinc	mg/kg								
Hexachlorobenzene	µg/kg								
Hexachlorocyclopentadiene	µg/kg								
Total Petroleum Hydrocarbons	mg/kg		<36.4		<39.0				
Acenaphthene	µg/kg								
Acenaphthylene	µg/kg								
Anthracene	µg/kg								
Benzidine	µg/kg								
Benzo[a]anthracene	µg/kg								
Benzo[a]pyrene	µg/kg								
Benzo[b]fluoranthene	µg/kg								
Benzo[ghi]perylene	µg/kg								
Benzo[k]fluoranthene	µg/kg								
Bis(2-chloroethoxy)methane	µg/kg								
Bis(2-chloroethyl) Ether	µg/kg								

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 42 of 85

	Location ID	NK-SB-230	NK-SB-230	NK-SB-230	NK-SB-230	NK-SB-230	NK-SB-230	NK-SB-230	NK-SB-230
Sample ID	1021808	1021809	1021809	1021810	1021810	1021811	1021811	1021812	1021812
Sample Date	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996
Sample Time	13:05	13:15	13:15	13:25	13:25	13:35	13:35	13:45	
Sample Depth	2' - 4'	4' - 6'	4' - 6'	4' - 6'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	
Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA	LEA	
Lab. Number	96-5992-596	AEL96013204	96-5993-597	AEL96013205	96-5994-598	96-5995-599	96-5996-600		
Constituent	Units								
Bis(2-ethylhexyl)phthalate	µg/kg								
Bromophenyl Phenyl Ether,4-	µg/kg								
Butyl Benzyl Phthalate	µg/kg								
Chloronaphthalene,2-	µg/kg								
Chlorophenol,2-	µg/kg								
Chlorophenyl Phenyl Ether,4-	µg/kg								
Chrysene	µg/kg								
Di-n-butyl Phthalate	µg/kg								
Di-n-octyl Phthalate	µg/kg								
Dibenzo[a,h]anthracene	µg/kg								
Dichlorobenzidine,3,3'-	µg/kg								
Dichlorophenol,2,4-	µg/kg								
Diethyl Phthalate	µg/kg								
Dimethyl Phthalate	µg/kg								
Dimethylphenol,2,4-	µg/kg								
Dinitro-o-cresol,4,6-	µg/kg								
Dinitrophenol,2,4-	µg/kg								
Dinitrotoluene,2,4-	µg/kg								
Dinitrotoluene,2,6-	µg/kg								
Diphenylhydrazine,1,2-	µg/kg								
Fluoranthene	µg/kg								
Fluorene	µg/kg								
Hexachlorobutadiene	µg/kg								
Hexachloroethane	µg/kg								
Indeno(1,2,3-od)pyrene	µg/kg								
Isophorone	µg/kg								
N-nitroso-n-propylamine	µg/kg								
N-nitrosodimethylamine	µg/kg								

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 43 of 85

	Location ID	NK-SB-230	NK-SB-230	NK-SB-230	NK-SB-230	NK-SB-230	NK-SB-230	NK-SB-230
Sample ID	1021808	1021809	1021809	1021810	1021810	1021811	1021812	1021812
Sample Date	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996
Sample Time	13:05	13:15	13:15	13:25	13:25	13:35	13:45	
Sample Depth	2' - 4'	4' - 6'	4' - 6'	4' - 6'	4' - 6'	6' - 8'	8' - 10'	
Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA	
Lab. Number	96-5992-596	AEL96013204	96-5993-597	AEL96013205	96-5994-598	96-5995-599	96-5996-600	
Constituent	Units							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol, 4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg		<34		<34			
Acrolein	µg/kg		<16		<17			
Acrylonitrile	µg/kg		<16		<17			
Benzene	µg/kg		<6.4		<6.8			
Benzene (screening)	µg/kg	<7		<8		<7	<7	<7
Bromobenzene	µg/kg		<6.4		<6.8			
Bromoform	µg/kg		<6.4		<6.8			
Carbon Disulfide	µg/kg		<6.4		<6.8			
Carbon Tetrachloride	µg/kg		<6.4		<6.8			
Chlorobenzene	µg/kg		<6.4		<6.8			
Chlorodibromomethane	µg/kg		<6.4		<6.8			
Chloroethane	µg/kg		<6.4		<6.8			
Chloroethyl Vinyl Ether,2-	µg/kg		<6.4		<6.8			
Chloroform	µg/kg		<6.4		<6.8			
Chlorotoluene,o-	µg/kg		<6.4		<6.8			
Chlorotoluene,p-	µg/kg		<6.4		<6.8			
Dibromomethane	µg/kg		<6.4		<6.8			

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 44 of 85

	Location ID	NK-SB-230						
	Sample ID	1021808	1021809	1021809	1021810	1021810	1021811	1021812
	Sample Date	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996	11/15/1996
	Sample Time	13:05	13:15	13:15	13:25	13:25	13:35	13:45
	Sample Depth	2' - 4'	4' - 6'	4' - 6'	4' - 6'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA
	Lab. Number	96-5992-596	AEL96013204	96-5993-597	AEL96013205	96-5994-598	96-5995-599	96-5996-600
Constituent	Units							
Dichlorobenzene, 1,2-	µg/kg		<6.4		<6.8			
Dichlorobenzene, 1,3-	µg/kg		<6.4		<6.8			
Dichlorobenzene, 1,4-	µg/kg		<6.4		<6.8			
Dichlorobromomethane	µg/kg		<6.4		<6.8			
Dichlorodifluoromethane	µg/kg		<6.4		<6.8			
Dichloroethane, 1,1-	µg/kg		<6.4		<6.8			
Dichloroethane, 1,2-	µg/kg		<6.4		<6.8			
Dichloroethylene, 1,1-	µg/kg		<6.4		<6.8			
Dichloroethylene, 1,2-cis-	µg/kg		<6.4		<6.8			
Dichloroethylene, 1,2-trans-	µg/kg		<6.4		<6.8			
Dichloropropane, 1,2-	µg/kg		<6.4		<6.8			
Dichloropropylene, 1,3-cis-	µg/kg		<6.4		<6.8			
Dichloropropylene, 1,3-trans-	µg/kg		<6.4		<6.8			
Ethylbenzene	µg/kg		<6.4		<6.8			
Ethylbenzene (screening)	µg/kg	<16		<17		<16	<15	<16
Hexanone, 2-	µg/kg		<16		<17			
Methyl Bromide	µg/kg		<6.4		<6.8			
Methyl Chloride	µg/kg		<6.4		<6.8			
Methyl Ethyl Ketone	µg/kg		<16		<17			
Methyl-2-pentanone, 4-	µg/kg		<16		<17			
Methyl-tert-butyl Ether	µg/kg		<6.4		<6.8			
Methylene Chloride	µg/kg		<6.4		<6.8			
Styrene	µg/kg		<6.4		<6.8			
Tetrachloroethane, 1,1,1,2-	µg/kg		<6.4		<6.8			
Tetrachloroethane, 1,1,2,2-	µg/kg		<6.4		<6.8			
Tetrachloroethylene	µg/kg		<6.4		<6.8			
Tetrachloroethylene (screening)	µg/kg	<20		<21		<20	<19	<20
Toluene	µg/kg		<6.4		<6.8			

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

*DRAFT*

Page 45 of 85

Notes: I. Printed on 10/26/98



**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 46 of 85

	Location ID	NK-SB-230	NK-SB-231	NK-SB-231	NK-SB-231	NK-SB-231	NK-SB-231	NK-SB-231	NK-SB-231
Sample ID	1021813	1023647	1023648	1023649	1023650	1023650	1023650	1023651	1023651
Sample Date	11/15/1996	12/16/1996	12/16/1996	12/16/1996	12/16/1996	12/16/1996	12/16/1996	12/16/1996	12/16/1996
Sample Time	16:55	11:20	11:25	11:45	11:50	11:50	11:50	12:10	
Sample Depth	10' - 12.5'	0' - 2'	2' - 4'	6' - 8'	6' - 8'	6' - 8'	6' - 8'	8' - 10'	
Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	LEA	AEL	
Lab. Number	96-5998-602	96-6945-118	96-6946-119	96-6948-121	AEL96014410	96-6949-122	AEL96014411		
Constituent	Units								
Date Metals Analyzed	-								
Date Organics Analyzed	-	11/19/1996	12/18/1996	12/18/1996	12/18/1996	12/30/1996	12/18/1996	12/30/1996	
Date Physical Analyzed	-					01/03/1997		01/03/1997	
Date Semi-volatile Organics Analyzed	-					01/09/1997		01/09/1997	
Arsenic	mg/kg								
Barium	mg/kg								
Cadmium	mg/kg								
Chromium	mg/kg								
Lead	mg/kg								
Mercury	mg/kg								
Nickel	mg/kg								
Selenium	mg/kg								
Silver	mg/kg								
Zinc	mg/kg								
Hexachlorobenzene	µg/kg				<370			<390	
Hexachlorocyclopentadiene	µg/kg				<370			<390	
Total Petroleum Hydrocarbons	mg/kg				37.7			218	
Acenaphthene	µg/kg				<370			<390	
Acenaphthylene	µg/kg				<370			<390	
Anthracene	µg/kg				<370			<390	
Benzidine	µg/kg				<370			<390	
Benzo[a]anthracene	µg/kg				<370			<390	
Benzo[a]pyrene	µg/kg				<370			<390	
Benzo[b]fluoranthene	µg/kg				<370			<390	
Benzo[ghi]perylene	µg/kg				<370			<390	
Benzo[k]fluoranthene	µg/kg				<370			<390	
Bis(2-chloroethoxy)methane	µg/kg				<370			<390	
Bis(2-chloroethyl) Ether	µg/kg				<370			<390	

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 47 of 85

	Location ID	NK-SB-230	NK-SB-231	NK-SB-231	NK-SB-231	NK-SB-231	NK-SB-231	NK-SB-231
	Sample ID	1021813	1023647	1023648	1023649	1023650	1023650	1023651
	Sample Date	11/15/1996	12/16/1996	12/16/1996	12/16/1996	12/16/1996	12/16/1996	12/16/1996
	Sample Time	16:55	11:20	11:25	11:45	11:50	11:50	12:10
	Sample Depth	10' - 12.5'	0' - 2'	2' - 4'	6' - 8'	6' - 8'	6' - 8'	8' - 10'
	Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	AEL
	Lab. Number	96-5998-602	96-6945-118	96-6946-119	96-6948-121	AEL96014410	96-6949-122	AEL96014411
Constituent	Units							
Bis(2-ethylhexyl)phthalate	µg/kg				<370			<390
Bromophenyl Phenyl Ether,4-	µg/kg				<370			<390
Butyl Benzyl Phthalate	µg/kg				<370			<390
Chloronaphthalene,2-	µg/kg				<370			<390
Chlorophenol,2-	µg/kg				<370			<390
Chlorophenyl Phenyl Ether,4-	µg/kg				<370			<390
Chrysene	µg/kg				<370			<390
Di-n-butyl Phthalate	µg/kg				<370			<390
Di-n-octyl Phthalate	µg/kg				<370			<390
Dibenz[a,h]anthracene	µg/kg				<370			<390
Dichlorobenzidine,3,3'-	µg/kg				<370			<390
Dichlorophenol,2,4-	µg/kg				<370			<390
Diethyl Phthalate	µg/kg				<370			<390
Dimethyl Phthalate	µg/kg				<370			<390
Dimethylphenol,2,4-	µg/kg				<370			<390
Dinitro-o- cresol,4,6-	µg/kg				<370			<390
Dinitrophenol,2,4-	µg/kg				<370			<390
Dinitrotoluene,2,4-	µg/kg				<370			<390
Dinitrotoluene,2,6-	µg/kg				<370			<390
Diphenylhydrazine,1,2-	µg/kg				<370			<390
Fluoranthene	µg/kg				<370			<390
Fluorene	µg/kg				<370			<390
Hexachlorobutadiene	µg/kg				<370			<390
Hexachloroethane	µg/kg				<370			<390
Indeno(1,2,3-cd)pyrene	µg/kg				<370			<390
Isophorone	µg/kg				<370			<390
N-nitroso-n-propylamine	µg/kg				<370			<390
N-nitrosodimethylamine	µg/kg				<370			<390

Notes: 1. Printed on 10/26/98

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 48 of 85

	Location ID	NK-SB-230	NK-SB-231	NK-SB-231	NK-SB-231	NK-SB-231	NK-SB-231	NK-SB-231
	Sample ID	1021813	1023647	1023648	1023649	1023650	1023650	1023651
	Sample Date	11/15/1996	12/16/1996	12/16/1996	12/16/1996	12/16/1996	12/16/1996	12/16/1996
	Sample Time	16:55	11:20	11:25	11:45	11:50	11:50	12:10
	Sample Depth	10' - 12.5'	0' - 2'	2' - 4'	6' - 8'	6' - 8'	6' - 8'	8' - 10'
	Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	AEL
	Lab. Number	96-5998-602	96-6945-118	96-6946-119	96-6948-121	AEL96014410	96-6949-122	AEL96014411
Constituent	Units							
N-nitrosodiphenylamine	µg/kg				<370			<390
Naphthalene	µg/kg				<370			<390
Nitrobenzene	µg/kg				<370			<390
Nitrophenol,2-	µg/kg				<370			<390
Nitrophenol,4-	µg/kg				<370			<390
Pentachlorophenol	µg/kg				<370			<390
Phenanthrene	µg/kg				<370			<390
Phenol	µg/kg				<370			<390
Propane),2,2'-oxybis(2-chloro-	µg/kg				<370			<390
Pyrene	µg/kg				<370			<390
Trichlorophenol,2,4,6-	µg/kg				<370			<390
Acetone	µg/kg				<28			<29
Acrolein	µg/kg				<14			<15
Acrylonitrile	µg/kg				<14			<15
Benzene	µg/kg				<5.6			<5.8
Benzene (screening)	µg/kg	<8	<8	<8	<8		<8	
Bromobenzene	µg/kg				<5.6			<5.8
Bromoform	µg/kg				<5.6			<5.8
Carbon Disulfide	µg/kg				<5.6			<5.8
Carbon Tetrachloride	µg/kg				<5.6			<5.8
Chlorobenzene	µg/kg				<5.6			<5.8
Chlorodibromomethane	µg/kg				<5.6			<5.8
Chloroethane	µg/kg				<5.6			<5.8
Chloroethyl Vinyl Ether,2-	µg/kg				<5.6			<5.8
Chloroform	µg/kg				<5.6			<5.8
Chlorotoluene,o-	µg/kg				<5.6			<5.8
Chlorotoluene,p-	µg/kg				<5.6			<5.8
Dibromomethane	µg/kg				<5.6			<5.8

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 49 of 85

	Location ID	NK-SB-230	NK-SB-231	NK-SB-231	NK-SB-231	NK-SB-231	NK-SB-231	NK-SB-231
Sample ID	1021813	1023647	1023648	1023649	1023650	1023650	1023650	1023651
Sample Date	11/15/1996	12/16/1996	12/16/1996	12/16/1996	12/16/1996	12/16/1996	12/16/1996	12/16/1996
Sample Time	16:55	11:20	11:25	11:45	11:50	11:50	11:50	12:10
Sample Depth	10' - 12.5'	0' - 2'	2' - 4'	6' - 8'	6' - 8'	6' - 8'	6' - 8'	8' - 10'
Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	LEA	AEL
Lab. Number	96-5998-602	96-6945-118	96-6946-119	96-6948-121	AEL96014410	96-6949-122	96-6949-122	AEL96014411
Constituent	Units							
Dichlorobenzene, 1,2-	µg/kg				<5.6			<5.8
Dichlorobenzene, 1,3-	µg/kg				<5.6			<5.8
Dichlorobenzene, 1,4-	µg/kg				<5.6			<5.8
Dichlorobromomethane	µg/kg				<5.6			<5.8
Dichlorodifluoromethane	µg/kg				<5.6			<5.8
Dichloroethane, 1,1-	µg/kg				<5.6			<5.8
Dichloroethane, 1,2-	µg/kg				<5.6			<5.8
Dichloroethylene, 1,1-	µg/kg				<5.6			<5.8
Dichloroethylene, 1,2-cis-	µg/kg				<5.6			<5.8
Dichloroethylene, 1,2-trans-	µg/kg				<5.6			<5.8
Dichloropropane, 1,2-	µg/kg				<5.6			<5.8
Dichloropropylene, 1,3-cis-	µg/kg				<5.6			<5.8
Dichloropropylene, 1,3-trans-	µg/kg				<5.6			<5.8
Ethylbenzene	µg/kg				<5.6			<5.8
Ethylbenzene (screening)	µg/kg	<17	<17	<16	<17		<16	
Hexanone, 2-	µg/kg					<14		<15
Methyl Bromide	µg/kg					<5.6		<5.8
Methyl Chloride	µg/kg					<5.6		<5.8
Methyl Ethyl Ketone	µg/kg					<14		<15
Methyl-2-pentanone, 4-	µg/kg					<14		<15
Methyl-tert-butyl Ether	µg/kg					<5.6		<5.8
Methylene Chloride	µg/kg					<5.6		<5.8
Styrene	µg/kg					<5.6		<5.8
Tetrachloroethane, 1,1,1,2-	µg/kg					<5.6		<5.8
Tetrachloroethane, 1,1,2,2-	µg/kg					<5.6		<5.8
Tetrachloroethylene	µg/kg					<5.6		<5.8 N1
Tetrachloroethylene (screening)	µg/kg	<21	<21	<21	<21		<20	
Toluene	µg/kg					<5.6		<5.8

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

*DRAFT*

Page 50 of 85

Notes: I. Printed on 10/26/98



**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 51 of 85

	Location ID	NK-SB-231	NK-SB-231	NK-SB-231	NK-SB-47	NK-SB-47	NK-SB-47	NK-SB-47
Sample ID	1023651	1023652	1023653	1017149	1017149	1017150	1017151	1017151
Sample Date	12/16/1996	12/16/1996	12/16/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996
Sample Time	12:10	12:15	12:25	13:50	13:50	14:00	14:13	
Sample Depth	8' - 10'	10' - 12'	12' - 13'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	
Laboratory	LEA	LEA	LEA	AEL	LEA	LEA	LEA	
Lab. Number	96-6950-123	96-6951-125	96-6952-126	AEL96009233	96-3984-114	96-3985-115	96-3986-116	
Constituent	Units							
Date Metals Analyzed	-				08/22/1996			
Date Organics Analyzed	-	12/18/1996	12/18/1996	12/18/1996	08/23/1996	08/16/1996	08/16/1996	08/16/1996
Date Physical Analyzed	-				08/30/1996			
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg				<1.01			
Barium	mg/kg				12.5			
Cadmium	mg/kg				<3.04			
Chromium	mg/kg				6.17			
Lead	mg/kg				<20.2			
Mercury	mg/kg				<0.202			
Nickel	mg/kg				<10.1			
Selenium	mg/kg				<1.01			
Silver	mg/kg				<5.06			
Zinc	mg/kg				15.3			
Hexachlorobenzene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Total Petroleum Hydrocarbons	mg/kg				<35.4			
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							

Notes: 1. Printed on 10/26/98

**LEA**

**DRAFT**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

Page 52 of 85

	Location ID	NK-SB-231	NK-SB-231	NK-SB-231	NK-SB-47	NK-SB-47	NK-SB-47	NK-SB-47
Sample ID	1023651	1023652	1023653	1017149	1017149	1017150	1017151	
Sample Date	12/16/1996	12/16/1996	12/16/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996	
Sample Time	12:10	12:15	12:25	13:50	13:50	14:00		14:13
Sample Depth	8' - 10'	10' - 12'	12' - 13'	0' - 2'	0' - 2'	2' - 4'		4' - 6'
Laboratory	LEA	LEA	LEA	AEL	LEA	LEA		LEA
Lab. Number	96-6950-123	96-6951-125	96-6952-126	AEL96009233	96-3984-114	96-3985-115		96-3986-116
Constituent	Units							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichlorobenzidine,3,3'	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 53 of 85

	Location ID	NK-SB-231	NK-SB-231	NK-SB-231	NK-SB-47	NK-SB-47	NK-SB-47	NK-SB-47
Sample ID	1023651	1023652	1023653	1017149	1017149	1017150	1017151	1017151
Sample Date	12/16/1996	12/16/1996	12/16/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996
Sample Time	12:10	12:15	12:25	13:50	13:50	14:00	14:13	
Sample Depth	8' - 10'	10' - 12'	12' - 13'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	
Laboratory	LEA	LEA	LEA	AEL	LEA	LEA	LEA	
Lab. Number	96-6950-123	96-6951-125	96-6952-126	AEL96009233	96-3984-114	96-3985-115	96-3986-116	
Constituent	Units							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthere	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg			<22				
Acrolein	µg/kg			<11				
Acrylonitrile	µg/kg			<11				
Benzene	µg/kg			<4.4				
Benzene (screening)	µg/kg	<8	<8	<7		<8	<7	<8
Bromobenzene	µg/kg				<4.4			
Bromoform	µg/kg				<4.4			
Carbon Disulfide	µg/kg				<4.4			
Carbon Tetrachloride	µg/kg				<4.4			
Chlorobenzene	µg/kg				<4.4			
Chlorodibromomethane	µg/kg				<4.4			
Chloroethane	µg/kg				<4.4			
Chloroethyl Vinyl Ether,2-	µg/kg				<4.4			
Chloroform	µg/kg				<4.4			
Chlorotoluene,o-	µg/kg				<4.4			
Chlorotoluene,p-	µg/kg				<4.4			
Dibromomethane	µg/kg				<4.4			

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 54 of 85

	Location ID	NK-SB-231	NK-SB-231	NK-SB-231	NK-SB-47	NK-SB-47	NK-SB-47	NK-SB-47
	Sample ID	1023651	1023652	1023653	1017149	1017149	1017150	1017151
	Sample Date	12/16/1996	12/16/1996	12/16/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996
	Sample Time	12:10	12:15	12:25	13:50	13:50	14:00	14:13
	Sample Depth	8' - 10'	10' - 12'	12' - 13'	0' - 2'	0' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	96-6950-123	96-6951-125	96-6952-126	AEL96009233	96-3984-114	96-3985-115	96-3986-116
Constituent	Units							
Dichlorobenzene, 1,2-	µg/kg				<4.4			
Dichlorobenzene, 1,3-	µg/kg				<4.4			
Dichlorobenzene, 1,4-	µg/kg				<4.4			
Dichlorobromomethane	µg/kg				<4.4			
Dichlorodifluoromethane	µg/kg				<4.4			
Dichloroethane, 1,1-	µg/kg				<4.4			
Dichloroethane, 1,2-	µg/kg				<4.4			
Dichloroethylene, 1,1-	µg/kg				<4.4			
Dichloroethylene, 1,2-cis-	µg/kg				<4.4			
Dichloroethylene, 1,2-trans-	µg/kg				<4.4			
Dichloropropane, 1,2-	µg/kg				<4.4			
Dichloropropylene, 1,3-cis-	µg/kg				<4.4			
Dichloropropylene, 1,3-trans-	µg/kg				<4.4			
Ethylbenzene	µg/kg				<4.4			
Ethylbenzene (screening)	µg/kg	<16	<17	<15		<17	<16	<16
Hexanone, 2-	µg/kg				<11			
Methyl Bromide	µg/kg				<4.4			
Methyl Chloride	µg/kg				<4.4			
Methyl Ethyl Ketone	µg/kg				<11			
Methyl-2-pentanone, 4-	µg/kg				<11			
Methyl-tert-butyl Ether	µg/kg				<4.4			
Methylene Chloride	µg/kg				<4.4			
Styrene	µg/kg				<4.4			
Tetrachloroethane, 1,1,1,2-	µg/kg				<4.4			
Tetrachloroethane, 1,1,2,2-	µg/kg				<4.4			
Tetrachloroethylene	µg/kg				<4.4			
Tetrachloroethylene (screening)	µg/kg	<21	<22	<19		<22	<20	<20
Toluene	µg/kg				<4.4			

Notes: 1. Printed on 10/26/98

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

DRAFT

Page 55 of 85

Notes: 1. Printed on 10/26/98



**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 56 of 85

	Location ID	NK-SB-47	NK-SB-47	NK-SB-47	NK-SB-47	NK-SB-47	NK-SB-47	NK-SB-47
Sample ID	1017152	1017152	1017153	1017153	1017154	1017155	1017156	
Sample Date	08/13/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996
Sample Time	14:24	14:24	14:31	14:31	14:45	14:58	15:19	
Sample Depth	6' - 8'	6' - 8'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	
Laboratory	AEL	LEA	AEL	LEA	LEA	LEA	LEA	
Lab. Number	AEL96009234	96-3987-117	AEL96009235	96-3988-118	96-3989-119	96-3990-120	96-3991-121	
Constituent	Units							
Date Metals Analyzed	-	08/22/1996		08/22/1996				
Date Organics Analyzed	-	08/23/1996	08/16/1996	08/27/1996	08/16/1996	08/16/1996	08/16/1996	08/16/1996
Date Physical Analyzed	-	08/30/1996		08/30/1996				
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg	<1.23		<1.22				
Barium	mg/kg	12.7		12.3				
Cadmium	mg/kg	<3.7		<3.66				
Chromium	mg/kg	7.29		<6.1				
Lead	mg/kg	<24.7		<24.4				
Mercury	mg/kg	<0.247		<0.244				
Nickel	mg/kg	<12.3		<12.2				
Selenium	mg/kg	<1.23		<1.22				
Silver	mg/kg	<6.17		<6.1				
Zinc	mg/kg	17.7		13.7				
Hexachlorobenzene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Total Petroleum Hydrocarbons	mg/kg	<42.8		<40.6				
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							

Notes: 1. Printed on 10/26/98



**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 57 of 85

	Location ID	NK-SB-47	NK-SB-47	NK-SB-47	NK-SB-47	NK-SB-47	NK-SB-47	NK-SB-47
Sample ID	1017152	1017152	1017153	1017153	1017154	1017155	1017156	1017156
Sample Date	08/13/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996
Sample Time	14:24	14:24	14:31	14:31	14:45	14:58	15:19	
Sample Depth	6' - 8'	6' - 8'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	
Laboratory	AEL	LEA	AEL	LEA	LEA	LEA	LEA	LEA
Lab. Number	AEL96009234	96-3987-117	AEL96009235	96-3988-118	96-3989-119	96-3990-120	96-3991-121	
Constituent	Units							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether, 4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene, 2-	µg/kg							
Chlorophenol, 2-	µg/kg							
Chlorophenyl Phenyl Ether, 4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenz[a,h]anthracene	µg/kg							
Dichlorobenzidine, 3,3'-	µg/kg							
Dichlorophenol, 2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylnaphol, 2,4-	µg/kg							
Dinitro-o-cresol, 4,6-	µg/kg							
Dinitrophenol, 2,4-	µg/kg							
Dinitrotoluene, 2,4-	µg/kg							
Dinitrotoluene, 2,6-	µg/kg							
Diphenylhydrazine, 1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							

Notes: 1. Printed on 10/26/98

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 58 of 85

	Location ID	NK-SB-47	NK-SB-47						
	Sample ID	1017152	1017152	1017153	1017153	1017154	1017155	1017156	1017156
	Sample Date	08/13/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996
	Sample Time	14:24	14:24	14:31	14:31	14:45	14:58	15:19	
	Sample Depth	6' - 8'	6' - 8'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	
	Laboratory	AEL	LEA	AEL	LEA	LEA	LEA	LEA	LEA
	Lab. Number	AEL96009234	96-3987-117	AEL96009235	96-3988-118	96-3989-119	96-3990-120	96-3991-121	
Constituent	Units								
N-nitrosodiphenylamine	µg/kg								
Naphthalene	µg/kg								
Nitrobenzene	µg/kg								
Nitrophenol,2-	µg/kg								
Nitrophenol,4-	µg/kg								
Pentachlorophenol	µg/kg								
Phenanthrene	µg/kg								
Phenol	µg/kg								
Propane),2,2'-oxybis(2-chloro-	µg/kg								
Pyrene	µg/kg								
Trichlorophenol,2,4,6-	µg/kg								
Acetone	µg/kg	<24		<27					
Acrolein	µg/kg	<12		<13					
Acrylonitrile	µg/kg	<12		<13					
Benzene	µg/kg	<4.8		<5.3					
Benzene (screening)	µg/kg		<8 nc		<7	<8 nc	<7	<7	
Bromobenzene	µg/kg	<4.8		<5.3					
Bromoform	µg/kg	<4.8		<5.3					
Carbon Disulfide	µg/kg	<4.8		<5.3					
Carbon Tetrachloride	µg/kg	<4.8		<5.3					
Chlorobenzene	µg/kg	<4.8		<5.3					
Chlorodibromomethane	µg/kg	<4.8		<5.3					
Chloroethane	µg/kg	<4.8		<5.3					
Chloroethyl Vinyl Ether,2-	µg/kg	<4.8		<5.3					
Chloroform	µg/kg	<4.8		<5.3					
Chlorotoluene,o-	µg/kg	<4.8		<5.3					
Chlorotoluene,p-	µg/kg	<4.8		<5.3					
Dibromomethane	µg/kg	<4.8		<5.3					

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 59 of 85

	Location ID	NK-SB-47						
	Sample ID	1017152	1017152	1017153	1017153	1017154	1017155	1017156
	Sample Date	08/13/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996	08/13/1996
	Sample Time	14:24	14:24	14:31	14:31	14:45	14:58	15:19
	Sample Depth	6' - 8'	6' - 8'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	AEL	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	AEL96009234	96-3987-117	AEL96009235	96-3988-118	96-3989-119	96-3990-120	96-3991-121
Constituent	Units							
Dichlorobenzene, 1,2-	µg/kg	<4.8		<5.3				
Dichlorobenzene, 1,3-	µg/kg	<4.8		<5.3				
Dichlorobenzene, 1,4-	µg/kg	<4.8		<5.3				
Dichlorobromomethane	µg/kg	<4.8		<5.3				
Dichlorodifluoromethane	µg/kg	<4.8		<5.3				
Dichloroethane, 1,1-	µg/kg	<4.8		<5.3				
Dichloroethane, 1,2-	µg/kg	<4.8		<5.3				
Dichloroethylene, 1,1-	µg/kg	<4.8		<5.3				
Dichloroethylene, 1,2-cis-	µg/kg	<4.8		<5.3				
Dichloroethylene, 1,2-trans-	µg/kg	<4.8		<5.3				
Dichloropropane, 1,2-	µg/kg	<4.8		<5.3				
Dichloropropylene, 1,3-cis-	µg/kg	<4.8		<5.3				
Dichloropropylene, 1,3-trans-	µg/kg	<4.8		<5.3				
Ethylbenzene	µg/kg	<4.8		<5.3				
Ethylbenzene (screening)	µg/kg		<17 nc		<14	<17 nc	<15	<16
Hexanone, 2-	µg/kg	<12		<13				
Methyl Bromide	µg/kg	<4.8		<5.3				
Methyl Chloride	µg/kg	<4.8		<5.3				
Methyl Ethyl Ketone	µg/kg	<12		<13				
Methyl-2-pentanone, 4-	µg/kg	<12		<13				
Methyl-tert-butyl Ether	µg/kg	<4.8		<5.3				
Methylene Chloride	µg/kg	<9.6		<5.3				
Styrene	µg/kg	<4.8		<5.3				
Tetrachloroethane, 1,1,1,2-	µg/kg	<4.8		<5.3				
Tetrachloroethane, 1,1,2,2-	µg/kg	<4.8		<5.3				
Tetrachloroethylene	µg/kg	<4.8		<5.3				
Tetrachloroethylene (screening)	µg/kg		<22 nc		<18	<22 nc	<18	<20
Toluene	µg/kg	<4.8		<5.3				

Notes: 1. Printed on 10/26/98

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

DRAFT

Page 60 of 85

Notes: 1. Printed on 10/26/98



**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 61 of 85

	Location ID	NK-SB-47	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-48
Sample ID	1017157	1017158	1017158	1017159	1017160	1017161	1017162	1017162
Sample Date	08/13/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996
Sample Time	15:28	10:00	10:00	10:09	10:18	10:26	10:34	
Sample Depth	14' - 15'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	
Laboratory	LEA	AEL	LEA	LEA	LEA	LEA	LEA	AEL
Lab. Number	96-3992-122	AEL96009246	96-4001-131	96-4002-132	96-4003-001	96-4004-002	96-4004-002	AEL96009247
Constituent	Units							
Date Metals Analyzed	-		08/22/1996					08/22/1996
Date Organics Analyzed	-	08/16/1996	08/27/1996	08/19/1996	08/19/1996	08/19/1996	08/19/1996	08/27/1996
Date Physical Analyzed	-		08/30/1996					08/30/1996
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg		1.26					<1.16
Barium	mg/kg		42					12.4
Cadmium	mg/kg		<3.11					<3.47
Chromium	mg/kg		12.7					8.56
Lead	mg/kg		<20.8					<23.1
Mercury	mg/kg		<0.208					<0.231
Nickel	mg/kg		12					<11.6
Selenium	mg/kg		<1.04					<1.16
Silver	mg/kg		<5.19					<5.78
Zinc	mg/kg		32.9					20.5
Hexachlorobenzene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Total Petroleum Hydrocarbons	mg/kg		<5.1					420
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 62 of 85

	Location ID	NK-SB-47	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-48
Sample ID	1017157	1017158	1017158	1017159	1017160	1017161	1017162	
Sample Date	08/13/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996
Sample Time	15:28	10:00	10:00	10:09	10:18	10:26		10:34
Sample Depth	14' - 15'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	6' - 8'		8' - 10'
Laboratory	LEA	AEL	LEA	LEA	LEA	LEA		AEL
Lab. Number	96-3992-122	AEL96009246	96-4001-131	96-4002-132	96-4003-001	96-4004-002		AEL96009247
Constituent	Units							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 63 of 85

	Location ID	NK-SB-47	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-48
Sample ID	1017157	1017158	1017158	1017159	1017160	1017161	1017162	
Sample Date	08/13/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996
Sample Time	15:28	10:00	10:00	10:09	10:18	10:26		10:34
Sample Depth	14' - 15'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	6' - 8'		8' - 10'
Laboratory	LEA	AEL	LEA	LEA	LEA	LEA		AEL
Lab. Number	96-3992-122	AEL96009246	96-4001-131	96-4002-132	96-4003-001	96-4004-002		AEL96009247
Constituent	Units							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg	<21						<28
Acrolein	µg/kg	<11						<13
Acrylonitrile	µg/kg	<11						<13
Benzene	µg/kg	<4.3						<5.1
Benzene (screening)	µg/kg	<7		<7	<8	<16 nc	<13	
Bromobenzene	µg/kg		<4.3					<5.1
Bromoform	µg/kg		<4.3					<5.1
Carbon Disulfide	µg/kg		<4.3					<5.1
Carbon Tetrachloride	µg/kg		<4.3					<5.1
Chlorobenzene	µg/kg		<4.3					<5.1
Chlorodibromomethane	µg/kg		<4.3					<5.1
Chloroethane	µg/kg		<4.3					<5.1
Chloroethyl Vinyl Ether,2-	µg/kg		<4.3					<5.1
Chloroform	µg/kg		<4.3					<5.1
Chlorotoluene,o-	µg/kg		<4.3					<5.1
Chlorotoluene,p-	µg/kg		<4.3					<5.1
Dibromomethane	µg/kg		<4.3					<5.1

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 64 of 85

	Location ID	NK-SB-47	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-48
	Sample ID	1017157	1017158	1017158	1017159	1017160	1017161	1017162
	Sample Date	08/13/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996
	Sample Time	15:28	10:00	10:00	10:09	10:18	10:26	10:34
	Sample Depth	14' - 15'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	AEL	LEA	LEA	LEA	LEA	AEL
	Lab. Number	96-3992-122	AEL96009246	96-4001-131	96-4002-132	96-4003-001	96-4004-002	AEL96009247
Constituent	Units							
Dichlorobenzene, 1,2-	µg/kg		<4.3					<5.1
Dichlorobenzene, 1,3-	µg/kg		<4.3					<5.1
Dichlorobenzene, 1,4-	µg/kg		<4.3					<5.1
Dichlorobromomethane	µg/kg		<4.3					<5.1
Dichlorodifluoromethane	µg/kg		<4.3					<5.1
Dichloroethane, 1,1-	µg/kg		<4.3					<5.1
Dichloroethane, 1,2-	µg/kg		<4.3					<5.1
Dichloroethylene, 1,1-	µg/kg		<4.3					<5.1
Dichloroethylene, 1,2-cis-	µg/kg		<4.3					<5.1
Dichloroethylene, 1,2-trans-	µg/kg		<4.3					<5.1
Dichloropropane, 1,2-	µg/kg		<4.3					<5.1
Dichloropropylene, 1,3-cis-	µg/kg		<4.3					<5.1
Dichloropropylene, 1,3-trans-	µg/kg		<4.3					<5.1
Ethylbenzene	µg/kg		<4.3					<5.1
Ethylbenzene (screening)	µg/kg	<16		<14	<17	<24 nc	<19	
Hexanone, 2-	µg/kg		<11					<13
Methyl Bromide	µg/kg		<4.3					<5.1
Methyl Chloride	µg/kg		<4.3					<5.1
Methyl Ethyl Ketone	µg/kg		<11					<13
Methyl-2-pentanone, 4-	µg/kg		<11					<13
Methyl-tert-butyl Ether	µg/kg		<4.3					<5.1
Methylene Chloride	µg/kg		<4.3					<8.9
Styrene	µg/kg		<4.3					<5.1
Tetrachloroethane, 1,1,1,2-	µg/kg		<4.3					<5.1
Tetrachloroethane, 1,1,2,2-	µg/kg		<4.3					<5.1
Tetrachloroethylene	µg/kg		<4.3 N1					<5.1
Tetrachloroethylene (screening)	µg/kg	<20		<18	<21	<25 nc	<20	
Toluene	µg/kg		<4.3					<5.1

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

DRAFT

Page 65 of 85

Notes: 1. Printed on 10/26/98

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 66 of 85

	Location ID	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-49	NK-SB-49	NK-SB-49
Sample ID	1017162	1017163	1017164	1017165	1017168	1017168	1017169	1017169
Sample Date	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996
Sample Time	10:34	10:41	10:46	10:50	13:30	13:30	13:40	13:40
Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	LEA	LEA
Lab. Number	96-4005-003	96-4006-004	96-4007-005	96-4009-011	AEL96009248	96-4012-018	96-4013-019	
Constituent	Units							
Date Metals Analyzed	-					08/22/1996		
Date Organics Analyzed	-	08/19/1996	08/19/1996	08/19/1996	08/19/1996	08/27/1996	08/19/1996	08/19/1996
Date Physical Analyzed	-					08/30/1996		
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg					<1.07		
Barium	mg/kg					17.7		
Cadmium	mg/kg					<3.2		
Chromium	mg/kg					8.11		
Lead	mg/kg					<21.4		
Mercury	mg/kg					0.401		
Nickel	mg/kg					<10.7		
Selenium	mg/kg					<1.07		
Silver	mg/kg					<5.34		
Zinc	mg/kg					23.8		
Hexachlorobenzene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Total Petroleum Hydrocarbons	mg/kg					<35.4		
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 67 of 85

	Location ID	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-49	NK-SB-49	NK-SB-49
Sample ID	1017162	1017163	1017164	1017165	1017168	1017168	1017168	1017169
Sample Date	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996
Sample Time	10:34	10:41	10:46	10:50	13:30	13:30	13:40	13:40
Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	
Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	LEA	
Lab. Number	96-4005-003	96-4006-004	96-4007-005	96-4009-011	AEL96009248	96-4012-018	96-4013-019	
Constituent	Units							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 68 of 85

	Location ID	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-49	NK-SB-49	NK-SB-49
	Sample ID	1017162	1017163	1017164	1017165	1017168	1017168	1017169
	Sample Date	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996
	Sample Time	10:34	10:41	10:46	10:50	13:30	13:30	13:40
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	96-4005-003	96-4006-004	96-4007-005	96-4009-011	AEL96009248	96-4012-018	96-4013-019
Constituent	Units							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane,2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg					<38		
Acrolein	µg/kg					<14		
Acrylonitrile	µg/kg					<14		
Benzene	µg/kg					<5.8		
Benzene (screening)	µg/kg	<16 nc	<16 nc	<16	<8		<7	<7
Bromobenzene	µg/kg					<5.8		
Bromoform	µg/kg					<5.8		
Carbon Disulfide	µg/kg					<5.8		
Carbon Tetrachloride	µg/kg					<5.8		
Chlorobenzene	µg/kg					<5.8		
Chlorodibromomethane	µg/kg					<5.8		
Chloroethane	µg/kg					<5.8		
Chloroethyl Vinyl Ether,2-	µg/kg					<5.8		
Chloroform	µg/kg					<5.8		
Chlorotoluene,o-	µg/kg					<5.8		
Chlorotoluene,p-	µg/kg					<5.8		
Dibromomethane	µg/kg					<5.8		

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 69 of 85

	Location ID	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-48	NK-SB-49	NK-SB-49	NK-SB-49
Sample ID	1017162	1017163	1017164	1017165	1017168	1017168	1017169	1017169
Sample Date	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996
Sample Time	10:34	10:41	10:46	10:50	13:30	13:30	13:40	13:40
Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	LEA	LEA
Lab. Number	96-4005-003	96-4006-004	96-4007-005	96-4009-011	AEL96009248	96-4012-018	96-4013-019	
Constituent	Units							
Dichlorobenzene, 1,2-	µg/kg				<5.8			
Dichlorobenzene, 1,3-	µg/kg				<5.8			
Dichlorobenzene, 1,4-	µg/kg				<5.8			
Dichlorobromomethane	µg/kg				<5.8			
Dichlorodifluoromethane	µg/kg				<5.8			
Dichloroethane, 1,1-	µg/kg				<5.8			
Dichloroethane, 1,2-	µg/kg				<5.8			
Dichloroethylene, 1,1-	µg/kg				<5.8			
Dichloroethylene, 1,2-cis-	µg/kg				<5.8			
Dichloroethylene, 1,2-trans-	µg/kg				<5.8			
Dichloropropane, 1,2-	µg/kg				<5.8			
Dichloropropylene, 1,3-cis-	µg/kg				<5.8			
Dichloropropylene, 1,3-trans-	µg/kg				<5.8			
Ethylbenzene	µg/kg				15			
Ethylbenzene (screening)	µg/kg	<24 nc	<24 nc	<23	<17		<15	<15
Hexanone, 2-	µg/kg					<14		
Methyl Bromide	µg/kg					<5.8		
Methyl Chloride	µg/kg					<5.8		
Methyl Ethyl Ketone	µg/kg					<14		
Methyl-2-pantanone, 4-	µg/kg					<14		
Methyl-tert-butyl Ether	µg/kg					<5.8		
Methylene Chloride	µg/kg					<12		
Styrene	µg/kg					<5.8		
Tetrachloroethane, 1,1,1,2-	µg/kg					<5.8		
Tetrachloroethane, 1,1,2,2-	µg/kg					<5.8		
Tetrachloroethylene	µg/kg					<5.8		
Tetrachloroethylene (screening)	µg/kg	<25 nc	<25 nc	<24	<22		<19	<19
Toluene	µg/kg					<5.8		

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

DRAFT

Page 70 of 85

Notes: I. Printed on 10/26/98



**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 71 of 85

	Location ID	NK-SB-49	NK-SB-49	NK-SB-49	NK-SB-49	NK-SB-49	NK-SB-49	NK-SB-49
Sample ID	1017170	1017171	1017172	1017172	1017173	1017174	1017175	1017175
Sample Date	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996
Sample Time	13:50	14:00	14:10	14:10	14:20	14:30	14:40	
Sample Depth	4' - 6'	6' - 8'	8' - 10'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	
Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA	
Lab. Number	96-4014-020	96-4015-021	AEL96009249	96-4017-025	96-4018-026	96-4021-029	96-4022-030	
Constituent	Units							
Date Metals Analyzed	-			08/22/1996				
Date Organics Analyzed	-	08/19/1996	08/19/1996	08/27/1996	08/19/1996	08/19/1996	08/19/1996	08/19/1996
Date Physical Analyzed	-			08/30/1996				
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg			<1.19				
Barium	mg/kg			15.4				
Cadmium	mg/kg			<3.58				
Chromium	mg/kg			7.65				
Lead	mg/kg			<23.9				
Mercury	mg/kg			<0.239				
Nickel	mg/kg			<11.9				
Selenium	mg/kg			<1.19				
Silver	mg/kg			<5.97				
Zinc	mg/kg			16.1				
Hexachlorobenzene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Total Petroleum Hydrocarbons	mg/kg			1540				
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							

Notes: 1. Printed on 10/26/98

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 72 of 85

Location ID	NK-SB-49	NK-SB-49						
Sample ID	1017170	1017171	1017172	1017172	1017173	1017174	1017175	1017175
Sample Date	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996
Sample Time	13:50	14:00	14:10	14:10	14:20	14:30	14:40	
Sample Depth	4' - 6'	6' - 8'	8' - 10'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	
Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA	
Lab. Number	96-4014-020	96-4015-021	AEL96009249	96-4017-025	96-4018-026	96-4021-029	96-4022-030	
Constituent	Units							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichlorobenzidine,3,3'	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethyphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 73 of 85

	Location ID	NK-SB-49	NK-SB-49	NK-SB-49	NK-SB-49	NK-SB-49	NK-SB-49	NK-SB-49	NK-SB-49
Sample ID	1017170	1017171	1017172	1017172	1017173	1017174	1017175		
Sample Date	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996		
Sample Time	13:50	14:00	14:10	14:10	14:20	14:30			
Sample Depth	4' - 6'	6' - 8'	8' - 10'	8' - 10'	10' - 12'	12' - 14'	14' - 15'		
Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA		
Lab. Number	96-4014-020	96-4015-021	AEL96009249	96-4017-025	96-4018-026	96-4021-029	96-4022-030		
Constituent	Units								
N-nitrosodiphenylamine	µg/kg								
Naphthalene	µg/kg								
Nitrobenzene	µg/kg								
Nitrophenol,2-	µg/kg								
Nitrophenol,4-	µg/kg								
Pentachlorophenol	µg/kg								
Phenanthrene	µg/kg								
Phenol	µg/kg								
Propane),2,2'-oxybis(2-chloro-	µg/kg								
Pyrene	µg/kg								
Trichlorophenol,2,4,6-	µg/kg								
Acetone	µg/kg			<35					
Acrolein	µg/kg			<17					
Acrylonitrile	µg/kg			<17					
Benzene	µg/kg			<6.9					
Benzene (screening)	µg/kg	<9 nc	<8 nc		<14	<7	<8	<8	
Bromobenzene	µg/kg			<6.9					
Bromoform	µg/kg			<6.9					
Carbon Disulfide	µg/kg			<6.9					
Carbon Tetrachloride	µg/kg			<6.9					
Chlorobenzene	µg/kg			<6.9					
Chlorodibromomethane	µg/kg			<6.9					
Chloroethane	µg/kg			<6.9					
Chloroethyl Vinyl Ether,2-	µg/kg			<6.9					
Chloroform	µg/kg			<6.9					
Chlorotoluene,o-	µg/kg			<6.9					
Chlorotoluene,p-	µg/kg			<6.9					
Dibromomethane	µg/kg			<6.9					

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 74 of 85

	Location ID	NK-SB-49						
	Sample ID	1017170	1017171	1017172	1017172	1017173	1017174	1017175
	Sample Date	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996
	Sample Time	13:30	14:00	14:10	14:10	14:20	14:30	14:40
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	8' - 10'	10' - 12'	12' - 14'	14' - 15'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-4014-020	96-4015-021	AEL96009249	96-4017-025	96-4018-026	96-4021-029	96-4022-030
Constituent	Units							
Dichlorobenzene, 1,2-	µg/kg			<6.9				
Dichlorobenzene, 1,3-	µg/kg			<6.9				
Dichlorobenzene, 1,4-	µg/kg			<6.9				
Dichlorobromomethane	µg/kg			<6.9				
Dichlorodifluoromethane	µg/kg			<6.9				
Dichloroethane, 1,1-	µg/kg			<6.9				
Dichloroethane, 1,2-	µg/kg			<6.9				
Dichloroethylene, 1,1-	µg/kg			<6.9				
Dichloroethylene, 1,2-cis-	µg/kg			<6.9				
Dichloroethylene, 1,2-trans-	µg/kg			<6.9				
Dichloropropane, 1,2-	µg/kg			<6.9				
Dichloropropylene, 1,3-cis-	µg/kg			<6.9				
Dichloropropylene, 1,3-trans-	µg/kg			<6.9				
Ethylbenzene	µg/kg			<6.9				
Ethylbenzene (screening)	µg/kg	<19 nc	<18 nc		<29	<14	<17	<16
Hexanone, 2-	µg/kg			<17				
Methyl Bromide	µg/kg			<6.9				
Methyl Chloride	µg/kg			<6.9				
Methyl Ethyl Ketone	µg/kg			<17				
Methyl-2-pentanone, 4-	µg/kg			<17				
Methyl-tert-butyl Ether	µg/kg			<6.9				
Methylene Chloride	µg/kg			<6.9				
Styrene	µg/kg			<6.9				
Tetrachloroethane, 1,1,1,2-	µg/kg			<6.9				
Tetrachloroethane, 1,1,2,2-	µg/kg			<6.9				
Tetrachloroethylene	µg/kg			<6.9				
Tetrachloroethylene (screening)	µg/kg	<23 nc	<23 nc		<36	154	<21	<20
Toluene	µg/kg			<6.9				

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

*DRAFT*

Page 75 of 85

Notes: I. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 76 of 85

	Location ID	NK-SB-50	NK-SB-50	NK-SB-50	NK-SB-50	NK-SB-50	NK-SB-50	NK-SB-50
Sample ID	1017176	1017176	1017177	1017178	1017179	1017180	1017180	1017180
Sample Date	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996
Sample Time	15:40	15:40	15:50	15:55	16:05	16:15	16:15	16:15
Sample Depth	0' - 2'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	6' - 8'
Laboratory	AEL	LEA	LEA	LEA	LEA	AEL	LEA	LEA
Lab. Number	AEL96009250	96-4023-031	96-4024-032	96-4027-035	96-4028-036	AEL96009298	96-4029-037	
Constituent	Units							
Date Metals Analyzed	-	08/22/1996					09/04/1996	
Date Organics Analyzed	-	08/28/1996	08/19/1996	08/19/1996	08/20/1996	08/20/1996	08/28/1996	08/20/1996
Date Physical Analyzed	-	08/30/1996					08/30/1996	
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg	<1.05					<1.22	
Barium	mg/kg	13.6					10.1	
Cadmium	mg/kg	<3.14					<3.66	
Chromium	mg/kg	6.39					<6.1	
Lead	mg/kg	<21					<24.4	
Mercury	mg/kg	<0.21					<0.244	
Nickel	mg/kg	<10.5					<12.2	
Selenium	mg/kg	<1.05					<1.22	
Silver	mg/kg	<5.24					<6.35	
Zinc	mg/kg	19.9					14.9	
Hexachlorobenzene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Total Petroleum Hydrocarbons	mg/kg	<34.6					251	
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 77 of 85

	Location ID	NK-SB-50	NK-SB-50	NK-SB-50	NK-SB-50	NK-SB-50	NK-SB-50	NK-SB-50
Sample ID	1017176	1017176	1017177	1017178	1017179	1017180	1017180	1017180
Sample Date	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996
Sample Time	15:40	15:40	15:50	15:55	16:05	16:15	16:15	16:15
Sample Depth	0' - 2'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	6' - 8'
Laboratory	AEL	LEA	LEA	LEA	LEA	AEL	AEL	LEA
Lab. Number	AEL96009250	96-4023-031	96-4024-032	96-4027-035	96-4028-036	AEL96009298	96-4029-037	
Constituent	Units							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenz[a,h]anthracene	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitropheno,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 78 of 85

	Location ID	NK-SB-50						
	Sample ID	1017176	1017176	1017177	1017178	1017179	1017180	1017180
	Sample Date	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996
	Sample Time	15:40	15:40	15:50	15:55	16:05	16:15	16:15
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	AEL	LEA	LEA	LEA	LEA	AEL	LEA
	Lab. Number	AEL96009250	96-4023-031	96-4024-032	96-4027-035	96-4028-036	AEL96009298	96-4029-037
Constituent	Units							
N-nitrodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg	<27					<47	
Acrolein	µg/kg	<13					<24	
Acrylonitrile	µg/kg	<13					<24	
Benzene	µg/kg	<5.3					<9.5	
Benzene (screening)	µg/kg		<8	<8	<8	<9 nc		<7
Bromobenzene	µg/kg	<5.3					<9.5	
Bromoform	µg/kg	<5.3					<9.5	
Carbon Disulfide	µg/kg	<5.3					<9.5	
Carbon Tetrachloride	µg/kg	<5.3					<9.5	
Chlorobenzene	µg/kg	<5.3					<9.5	
Chlorodibromomethane	µg/kg	<5.3					<9.5	
Chloroethane	µg/kg	<5.3					<9.5	
Chloroethyl Vinyl Ether,2-	µg/kg	<5.3					<9.5	
Chloroform	µg/kg	<5.3					<9.5	
Chlorotoluene,o-	µg/kg	<5.3					<9.5	
Chlorotoluene,p-	µg/kg	<5.3					<9.5	
Dibromomethane	µg/kg	<5.3					<9.5	

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 79 of 85

	Location ID	NK-SB-50	NK-SB-50						
	Sample ID	1017176	1017176	1017177	1017178	1017179	1017180	1017180	1017180
	Sample Date	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996	08/14/1996
	Sample Time	15:40	15:40	15:50	15:55	16:05	16:15	16:15	16:15
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	6' - 8'
	Laboratory	AEL	LEA	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	AEL96009250	96-4023-031	96-4024-032	96-4027-035	96-4028-036	AEL96009298	96-4029-037	
Constituent	Units								
Dichlorobenzene, 1,2-	µg/kg	<5.3						<9.5	
Dichlorobenzene, 1,3-	µg/kg	<5.3						<9.5	
Dichlorobenzene, 1,4-	µg/kg	<5.3						<9.5	
Dichlorobromomethane	µg/kg	<5.3						<9.5	
Dichlorodifluoromethane	µg/kg	<5.3						<9.5	
Dichloroethane, 1,1-	µg/kg	<5.3						<9.5	
Dichloroethane, 1,2-	µg/kg	<5.3						<9.5	
Dichloroethylene, 1,1-	µg/kg	<5.3						<9.5	
Dichloroethylene, 1,2-cis-	µg/kg	<5.3						<9.5	
Dichloroethylene, 1,2-trans-	µg/kg	<5.3						<9.5	
Dichloropropane, 1,2-	µg/kg	<5.3						<9.5	
Dichloropropylene, 1,3-cis-	µg/kg	<5.3						<9.5	
Dichloropropylene, 1,3-trans-	µg/kg	<5.3						<9.5	
Ethylbenzene	µg/kg	<5.3						<9.5	
Ethylbenzene (screening)	µg/kg		<17	<17	<16	45 nc		79	
Hexanone, 2-	µg/kg	<13						<24	
Methyl Bromide	µg/kg	<5.3						<9.5	
Methyl Chloride	µg/kg	<5.3						<9.5	
Methyl Ethyl Ketone	µg/kg	<13						<24	
Methyl-2-pantanone, 4-	µg/kg	<13						<24	
Methyl-tert-butyl Ether	µg/kg	<5.3						<9.5	
Methylene Chloride	µg/kg	<5.3						<9.5	
Styrene	µg/kg	<5.3						<9.5	
Tetrachloroethane, 1,1,1,2-	µg/kg	<5.3						<9.5	
Tetrachloroethane, 1,1,2,2-	µg/kg	<5.3						<9.5	
Tetrachloroethylene	µg/kg	<5.3						<9.5	
Tetrachloroethylene (screening)	µg/kg		<22	<22	<20	<26 nc		<18	
Toluene	µg/kg	<5.3						<9.5	

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

DRAFT

Page 80 of 85

Notes: 1. Printed on 10/26/98

LEA

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 81 of 85

	Location ID	NK-SB-50	NK-SB-50	NK-SB-50	NK-SB-50			
Sample ID	1017181	1017182	1017183	1017184				
Sample Date	08/14/1996	08/14/1996	08/14/1996	08/14/1996				
Sample Time	16:25	16:40	17:00	17:10				
Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'				
Laboratory	LEA	LEA	LEA	LEA				
Lab. Number	96-4030-038	96-4031-039	96-4032-040	96-4034-051				
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	08/20/1996	08/20/1996	08/20/1996	08/20/1996			
Date Physical Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							

Notes: 1. Printed on 10/26/98

**LEA**

**DRAFT**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

Page 82 of 85

	Location ID	NK-SB-50	NK-SB-50	NK-SB-50	NK-SB-50			
	Sample ID	1017181	1017182	1017183	1017184	:		
	Sample Date	08/14/1996	08/14/1996	08/14/1996	08/14/1996			
	Sample Time	16:25	16:40	17:00	17:10			
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'			
	Laboratory	LEA	LEA	LEA	LEA			
	Lab. Number	96-4030-038	96-4031-039	96-4032-040	96-4034-051			
Constituent	Units							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[4,h]anthracene	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 83 of 85

	Location ID	NK-SB-50	NK-SB-50	NK-SB-50	NK-SB-50			
	Sample ID	1017181	1017182	1017183	1017184	/		
	Sample Date	08/14/1996	08/14/1996	08/14/1996	08/14/1996			
	Sample Time	16:25	16:40	17:00	17:10			
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'			
	Laboratory	LEA	LEA	LEA	LEA			
	Lab. Number	96-4030-038	96-4031-039	96-4032-040	96-4034-051			
Constituent	Units							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Benzene	µg/kg							
Benzene (screening)	µg/kg	<7	5 J	7 J	<8			
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							

Notes: 1. Printed on 10/26/98

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 84 of 85

	Location ID	NK-SB-50	NK-SB-50	NK-SB-50	NK-SB-50			
Sample ID	1017181	1017182	1017183	1017184		i		
Sample Date	08/14/1996	08/14/1996	08/14/1996	08/14/1996				
Sample Time	16:25	16:40	17:00	17:10				
Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'				
Laboratory	LEA	LEA	LEA	LEA				
Lab. Number	96-4030-038	96-4031-039	96-4032-040	96-4034-051				
Constituent	Units							
Dichlorobenzene, 1,2-	µg/kg							
Dichlorobenzene, 1,3-	µg/kg							
Dichlorobenzene, 1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane, 1,1-	µg/kg							
Dichloroethane, 1,2-	µg/kg							
Dichloroethylene, 1,1-	µg/kg							
Dichloroethylene, 1,2-cis-	µg/kg							
Dichloroethylene, 1,2-trans-	µg/kg							
Dichloropropane, 1,2-	µg/kg							
Dichloropropylene, 1,3-cis-	µg/kg							
Dichloropropylene, 1,3-trans-	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg	<15	<16	<16	<16			
Hexanone, 2-	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl-2-pentanone, 4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Styrene	µg/kg							
Tetrachloroethane, 1,1,1,2-	µg/kg							
Tetrachloroethane, 1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							
Tetrachloroethylene (screening)	µg/kg	<19	<20	<20	<21			
Toluene	µg/kg							

Notes: 1. Printed on 10/26/98

**LEA**

**Table 3**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**P&W East Hartford: X-312 Tank Farm**

*DRAFT*

Page 85 of 85

Notes: I. Printed on 10/26/98



**Table 4** **DRAFT**  
**SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

Page 1 of 2

Notes: 1. Only Detects Shown  
2. Printed on 10/26/98

LEA

**Table 4** *DRAFT*  
**SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

Page 2 of 2

**Notes:** 1. Only Detects Shown  
2. Printed on 10/26/98

LEA

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 1 of 18

	Location ID	NK-MW-07	NK-MW-07	NK-MW-07	NK-MW-07	NK-MW-07	NK-MW-07	NK-SB-225
Sample ID	01071111391	01071060992	1016660	1634489	1634489	1647390	1021833	
Sample Date	11/14/1991	06/10/1992	08/07/1996	06/04/1997	06/04/1997	11/20/1997	12/16/1996	
Sample Time			14:05	13:55	13:55	13:00	14:45	
Sample Depth	5.0' - 12.5'	5.0' - 12.5'	5.0' - 12.5'	5.0' - 12.5'	5.0' - 12.5'	5' - 12.5'	10.0' - 12.0'	
Laboratory	CEIM	CEIM	AEL	QUAN	QUAN	QUAN	AEL	
Lab. Number	910627-06	920297-12	AEL96008787	A7F050147012	A7F090102007	A7K240137016	AEL96014076	
Constituent	Units							
Depth of Well	FT			10.35	10.35	10.35		
Depth to Water	FT			10.1	9.32	9.32	9.99	
Specific Conductivity (field)	µmhos			89	360	360	43	
Water Elevation	FT			37.50	38.28	38.28	37.61	
pH (field)	SU			6.07	6.33	6.33	5.17	
Date Metals Analyzed	-			08/12/1996		06/25/1997	12/07/1997	
Date Organics Analyzed	-			08/16/1996	06/17/1997		12/03/1997	12/24/1996
Date Physical Analyzed	-			08/14/1996				01/02/1997
Date Semi-volatile Organics Analyzed	-							01/06/1997
Arsenic	mg/L	<.005 U	<.005 U	<0.004		<0.0050 U	<0.0100 U	
Barium	mg/L	0.02	.03	<0.010		<0.200 U	<0.200 U	
Cadmium	mg/L	<.005 U	<.01 U	<0.0010		<0.0050 U	<0.0050 U	
Chromium	mg/L			<0.010		<0.0100 U	<0.0100 U	
Chromium (Total)	mg/l	<.01 U	<.01 U					
Copper	mg/l	<.01 U	<.01 U					
Lead	mg/L	<.005 U	<.005 U	<0.0050		<0.0030 U	<0.0030 U	
Mercury	mg/L	<.0008 U	<.0008 U	<0.0004		<0.00020 U	<0.00020 U	
Nickel	mg/L	<.04 U	<.04 U	<0.020		<0.0400 U	<0.0400 U	
Selenium	mg/L	<.005 U	<.005 U	<0.010		<0.0050 U	<0.0050 U	
Silver	mg/L	<.02 U	<.01 U	<0.010		<0.0100 U	<0.0100 U	
Zinc	mg/L	<.01 U	<.01 U	<0.010		0.0597	<0.0200 U	
Dibromo-3-chloropropane, 1,2-	µg/L				<5.0 U		<5.0 U	
Hexachlorobenzene	µg/L							<1.3 MDL
Hexachlorocyclopentadiene	µg/L							<11
Total Petroleum Hydrocarbons	mg/L			<1.0				2.9
Acenaphthene	µg/L							<11
Acenaphthylene	µg/L							<1.7 MDL
Anthracene	µg/L							<11

Notes: 1. Printed on 10/26/98

**LEA**

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 2 of 18

	Location ID	NK-MW-07	NK-MW-07	NK-MW-07	NK-MW-07	NK-MW-07	NK-MW-07	NK-SB-225
Sample ID	01071111391	01071060992	1016660	1634489	1634489	1647390	1021833	
Sample Date	11/14/1991	06/10/1992	08/07/1996	06/04/1997	06/04/1997	11/20/1997	12/16/1996	
Sample Time			14:05	13:55	13:55	13:00	14:45	
Sample Depth	5.0' - 12.5'	5.0' - 12.5'	5.0' - 12.5'	5.0' - 12.5'	5.0' - 12.5'	5' - 12.5'	10.0' - 12.0'	
Laboratory	CEIM	CEIM	AEL	QUAN	QUAN	QUAN	AEL	
Lab. Number	910627-06	920297-12	AEL96008787	A7F050147012	A7F090102007	A7K240137016	AEL96014076	
Constituent	Units							
Benzidine	µg/L						<11	
Benzo[a]anthracene	µg/L						<0.88 MDL	
Benzo[a]pyrene	µg/L						<0.40 MDL	
Benzo[b]fluoranthene	µg/L						<0.54 MDL	
Benzo[ghi]perylene	µg/L						<11	
Benzo[k]fluoranthene	µg/L						<0.65 MDL	
Bis(2-chloroethoxy)methane	µg/L						<11	
Bis(2-chloroethyl) Ether	µg/L						<11	
Bis(2-ethylhexyl)phthalate	µg/L						1.7 MDL	
Bromophenyl Phenyl Ether, 4-	µg/L						<11	
Butyl Benzyl Phthalate	µg/L						<11	
Chloronaphthalene, 2-	µg/L						<11	
Chlorophenol, 2-	µg/L						<11	
Chlorophenyl Phenyl Ether, 4-	µg/L						<11	
Chrysene	µg/L						<11	
Di-n-butyl Phthalate	µg/L						<11	
Di-n-octyl Phthalate	µg/L						<11	
Dibenzo[a,h]anthracene	µg/L						<11	
Dichloro-2-butylene, 1,4-trans-	µg/L				<5.0 U		<5.0 U	
Dichlorobenzidine, 3,3'-	µg/L						<11	
Dichlorophenol, 2,4-	µg/L						<11	
Diethyl Phthalate	µg/L						<11	
Dimethyl Phthalate	µg/L						<11	
Dimethylphenol, 2,4-	µg/L						<11	
Dinitro-o-cresol, 4,6-	µg/L						<11	
Dinitrophenol, 2,4-	µg/L						<11	
Dinitrotoluene, 2,4-	µg/L						<11	
Dinitrotoluene, 2,6-	µg/L						<11	

Notes: 1. Printed on 10/26/98

LEA

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 3 of 18

	Location ID	NK-MW-07	NK-MW-07	NK-MW-07	NK-MW-07	NK-MW-07	NK-MW-07	NK-SB-225
Sample ID	01071111391	01071060992	1016660	1634489	1634489	1647390	1021833	
Sample Date	11/14/1991	06/10/1992	08/07/1996	06/04/1997	06/04/1997	11/20/1997	12/16/1996	
Sample Time			14:05	13:55	13:55	13:00	14:45	
Sample Depth	5.0' - 12.5'	5.0' - 12.5'	5.0' - 12.5'	5.0' - 12.5'	5.0' - 12.5'	5' - 12.5'	10.0' - 12.0'	
Laboratory	CEIM	CEIM	AEL	QUAN	QUAN	QUAN	AEL	
Lab. Number	910627-06	920297-12	AEL96008787	A7F050147012	A7F090102007	A7K240137016	AEL96014076	
Constituent	Units							
Diphenylhydrazine, 1,2-	µg/L							<11
Fluoranthene	µg/L							<11
Fluorene	µg/L							<11
Hexachlorobutadiene	µg/L							<11
Hexachloroethane	µg/L							<1.3 MDL
Indeno(1,2,3-cd)pyrene	µg/L							<11
Isophorone	µg/L							<11
N-nitroso-n-propylamine	µg/L							<11
N-nitrosodimethylamine	µg/L							<11
N-nitrosodiphenylamine	µg/L							<11
Naphthalene	µg/L							16
Nitrobenzene	µg/L							<11
Nitrophenol, 2-	µg/L							<11
Nitrophenol, 4-	µg/L							<11
Pentachlorophenol	µg/L							<0.67 MDL
Phenanthrene	µg/L							<1.1 MDL
Phenol	µg/L							<11
Propane), 2,2'-oxybis(2-chloro-	µg/L							<11
Pyrene	µg/L							<11
Trichlorophenol, 2,4,6-	µg/L							<11
Acetone	µg/L		<20			<100 U		<12
Acrolein	µg/L		<10			<20 U		<15
Acrylonitrile	µg/L		<0.66 **			<20 U		<0.65
Allyl Chloride	µg/L			<100 U		<100 U		
Benzene	µg/L	<5 U	<1 U	<1.0	<1.0 U		<1.0 U	<1.0
Benzene (screening)	µg/l							
Bromobenzene	µg/L			<4.0				<1.0
Bromoform	µg/L	<5 U	<5 U	<4.0	<4.0 U		<4.0 U	<1.0

Notes: 1. Printed on 10/26/98

**LEA**

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 4 of 18

	Location ID	NK-MW-07	NK-MW-07	NK-MW-07	NK-MW-07	NK-MW-07	NK-MW-07	NK-SB-225
Sample ID	01071111391	01071060992	1016660	1634489	1634489	1647390	1021833	
Sample Date	11/14/1991	06/10/1992	08/07/1996	06/04/1997	06/04/1997	11/20/1997	12/16/1996	
Sample Time			14:05	13:55	13:55	13:00	14:45	
Sample Depth	5.0' - 12.5'	5.0' - 12.5'	5.0' - 12.5'	5.0' - 12.5'	5.0' - 12.5'	5' - 12.5'	10.0' - 12.0'	
Laboratory	CEIM	CEIM	AEL	QUAN	QUAN	QUAN	AEL	
Lab. Number	910627-06	920297-12	AEL96008787	A7F050147012	A7F090102007	A7K240137016	AEL96014076	
Constituent	Units							
Carbon Disulfide	µg/L			<4.0	<5.0 U		<5.0 U	<1.0
Carbon Tetrachloride	µg/L	<5 U	<5 U	<4.0	<5.0 U		<5.0 U	<1.0
Chlorobenzene	µg/L	<5 U	<5 U	<4.0	<5.0 U		<5.0 U	<1.0
Chlorodibromomethane	µg/L	<5 U	<5 U	<0.31 **	<0.50 U		<0.50 U	<0.50
Chloroethane	µg/L	<10 U	<10 U	<4.0	<10 U		<10 U	<1.0
Chloroethyl Vinyl Ether,2-	µg/L	<5 U	<5 U	<4.0				<1.0
Chloroform	µg/L	<5 U	<5 U	<4.0	<5.0 U		<5.0 U	<1.0
Chloroprene,beta-	µg/L				<5.0 U		<5.0 U	
Chlorotoluene,o-	µg/L			<4.0				<1.0
Chlorotoluene,p-	µg/L			<4.0				<1.0
Dibromomethane	µg/L			<4.0	<5.0 U		<1.0 U	<1.0
Dichlorobenzene,1,2-	µg/L	<5 U	<5 U	<4.0				<1.0
Dichlorobenzene,1,3-	µg/L	<5 U	<5 U	<4.0				<1.0
Dichlorobenzene,1,4-	µg/L	<5 U	<5 U	<4.0				<1.0
Dichlorobromomethane	µg/L	<5 U	<5 U	<4.0	<5.0 U		<5.0 U	<1.0
Dichlorodifluoromethane	µg/L			<4.0	<5.0 U		<5.0 U	<1.0
Dichloroethane,1,1-	µg/L	<5 U	<5 U	<4.0	<5.0 U		<5.0 U	<1.0
Dichloroethane,1,2-	µg/L	<5 U	<1 U	<1.0	<1.0 U		<1.0 U	<1.0
Dichloroethylene,1,1-	µg/L	<5 U	<5 U	<4.0	<1.0 U		<1.0 U	<1.0
Dichloroethylene,1,2-	µg/L		<5 U					
Dichloroethylene,1,2-cis-	µg/L			<4.0	<5.0 U		<5.0 U	<1.0
Dichloroethylene,1,2-trans-	µg/L	<5 U		<4.0	<5.0 U		<5.0 U	<1.0
Dichloropropane,1,2-	µg/L	<5 U	<5 U	<4.0	<5.0 U		<5.0 U	<1.0
Dichloropropylene,1,3-	µg/L				<5.0 U		<5.0 U	
Dichloropropylene,1,3-cis-	µg/L	<5 U	<5 U	<0.22 **			<1.0 U	<0.50
Dichloropropylene,1,3-trans-	µg/L	<5 U	<5 U	<4.0			<1.0 U	<0.50
Dioxane,1,4-	µg/L						<150 U	
Ethanol	µg/l	<1000 U	<1000 U					

Notes: 1. Printed on 10/26/98

**LEA**

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 5 of 18

	Location ID	NK-MW-07	NK-MW-07	NK-MW-07	NK-MW-07	NK-MW-07	NK-MW-07	NK-SB-225
	Sample ID	01071111391	01071060992	1016660	1634489	1634489	1647390	1021833
	Sample Date	11/14/1991	06/10/1992	08/07/1996	06/04/1997	06/04/1997	11/20/1997	12/16/1996
	Sample Time			14:05	13:55	13:55	13:00	14:45
	Sample Depth	5.0' - 12.5'	5.0' - 12.5'	5.0' - 12.5'	5.0' - 12.5'	5.0' - 12.5'	5' - 12.5'	10.0' - 12.0'
	Laboratory	CEIM	CEIM	AEL	QUAN	QUAN	QUAN	AEL
	Lab. Number	910627-06	920297-12	AEL96008787	A7F050147012	A7F090102007	A7K240137016	AEL96014076
Constituent	Units							
Ethyl Ether	µg/l	<10 U	<10 U					
Ethyl Methacrylate	µg/L				<5.0 U		<5.0 U	
Ethylbenzene	µg/L	<5 U	<5 U	<4.0	<5.0 U		<5.0 U	35
Ethylbenzene (screening)	µg/l							
Ethylene Dibromide	µg/L				<0.50 U		<0.50 U	
Hexanone,2-	µg/L			<10	<50 U		<100 U	<2.0
Iodomethane	µg/L				<5.0 U		<5.0 U	
Isobutyl Alcohol	µg/L						<50 U	
Methacrylonitrile	µg/L						<5.0 U	
Methyl Bromide	µg/L	<10 U	<10 U	<4.0	<10 U J		<10 U	<1.0
Methyl Chloride	µg/L	<10 U	<10 U	<4.0	<10 U		<10 U	<1.0
Methyl Ethyl Ketone	µg/L	<10 U	<10 U	<10			<100 U	<2.0
Methyl Methacrylate	µg/L				<5.0 U		<5.0 U	
Methyl-2-pentanone,4-	µg/L	<10 U	<10 U	<10	<10 U		<100 U	<2.0
Methyl-tert-butyl Ether	µg/L			<4.0	<5.0 U		<5.0 U	<1.0
Methylene Chloride	µg/L	<5 U	<5 U	<4.0	<5.0 U		<5.0 U	<2.0
Propionitrile	µg/L						<5.0 U	
Styrene	µg/L			<4.0	<5.0 U		<5.0 U	<1.0
Tetrachloroethane,1,1,1,2-	µg/L			<1	<1.0 U		<1.0 U	<1.0
Tetrachloroethane,1,1,2,2-	µg/L	<5 U	<5 U	<0.30 **	<1.0 U		<1.0 U	<0.50
Tetrachloroethylene	µg/L	<5 U	<5 U	<4.0	<5.0 U		<5.0 U	<1.0
Tetrachloroethylene (screening)	µg/l							
Toluene	µg/L	<5 U	<5 U	<4.0	<5.0 U		<5.0 U	<1.0
Toluene (screening)	µg/l							
Trichlorobenzene,1,2,4-	µg/L							<11
Trichloroethane,1,1,1-	µg/L	<5 U	<5 U	<4.0	<5.0 U		<5.0 U	<1.0
Trichloroethane,1,1,1- (screening)	µg/l							
Trichloroethane,1,1,2-	µg/L	<5 U	<5 U	<4.0	<5.0 U		<5.0 U	<1.0

Notes: 1. Printed on 10/26/98

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

DRAFT

Page 6 of 18

Notes: 1. Printed on 10/26/98

LEA

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 7 of 18

	Location ID	NK-SB-226	NK-SB-227	NK-SB-229	NK-SB-47	NK-SB-47	NK-SB-48	NK-SB-48
Sample ID	1021834	1021835	1021832	1017207	1017207	1017210	1017210	1017210
Sample Date	12/16/1996	12/16/1996	12/16/1996	08/13/1996	08/13/1996	08/14/1996	08/14/1996	08/14/1996
Sample Time	15:10	15:45	14:10	16:05	16:05	11:10	11:10	11:10
Sample Depth	10.0' - 12.0'	10.0' - 12.0'	10.0' - 12.0'	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'
Laboratory	AEL	AEL	AEL	AEL	LEA	AEL	AEL	LEA
Lab. Number	AEL96014077	AEL96014078	AEL96014075	AEL96008991	96-3998-128	AEL96009064	96-4033-052	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	μmhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-				08/14/1996		08/16/1996	
Date Organics Analyzed	-	12/26/1996	12/26/1996	12/24/1996	08/26/1996	08/19/1996		08/20/1996
Date Physical Analyzed	-	01/02/1997	01/02/1997	01/02/1997	08/14/1996			
Date Semi-volatile Organics Analyzed	-	01/06/1997	01/06/1997	01/06/1997				
Arsenic	mg/L				<0.004		<0.010	
Barium	mg/L				<0.010		<0.050	
Cadmium	mg/L				<0.0010		<0.0010	
Chromium	mg/L				<0.010		<0.050	
Chromium (Total)	mg/l							
Copper	mg/l							
Lead	mg/L				<0.0050		<0.0050	
Mercury	mg/L				<0.0004		<0.0010	
Nickel	mg/L				0.235		<0.10	
Selenium	mg/L				<0.010		<0.010	
Silver	mg/L				<0.010		<0.050	
Zinc	mg/L				0.011		<0.050	
Dibromo-3-chloropropane, 1,2-	μg/L							
Hexachlorobenzene	μg/L	<1.2 MDL	<1.2 MDL	<1.2 MDL				
Hexachlorocyclopentadiene	μg/L	<10	<10	<10				
Total Petroleum Hydrocarbons	mg/L	3.0	<0.5	<0.5	<0.5			
Acenaphthene	μg/L	<10	<10	<10				
Acenaphthylene	μg/L	<1.6 MDL	<1.6 MDL	<1.6 MDL				
Anthracene	μg/L	<10	<10	<10				

Notes: 1. Printed on 10/26/98

**LEA**

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 8 of 18

	Location ID	NK-SB-226	NK-SB-227	NK-SB-229	NK-SB-47	NK-SB-47	NK-SB-48	NK-SB-48
	Sample ID	1021834	1021835	1021832	1017207	1017207	1017210	1017210
	Sample Date	12/16/1996	12/16/1996	12/16/1996	08/13/1996	08/13/1996	08/14/1996	08/14/1996
	Sample Time	15:10	15:45	14:10	16:05	16:05	11:10	11:10
	Sample Depth	10.0' - 12.0'	10.0' - 12.0'	10.0' - 12.0'	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'
	Laboratory	AEL	AEL	AEL	AEL	LEA	AEL	LEA
	Lab. Number	AEL96014077	AEL96014078	AEL96014075	AEL96008991	96-3998-128	AEL96009064	96-4035-052
Constituent	Units							
Benzidine	µg/L	<10	<10	<10				
Benzo[a]anthracene	µg/L	<0.82 MDL	<0.82 MDL	<0.83 MDL				
Benzo[a]pyrene	µg/L	<0.37 MDL	<0.37 MDL	<0.37 MDL				
Benzo[b]fluoranthene	µg/L	<0.51 MDL	<0.51 MDL	<0.51 MDL				
Benzo[ghi]perylene	µg/L	<10	<10	<10				
Benzo[k]fluoranthene	µg/L	<0.60 MDL	<0.60 MDL	<0.61 MDL				
Bis(2-chloroethoxy)methane	µg/L	<10	<10	<10				
Bis(2-chloroethyl) Ether	µg/L	<10	<10	<10				
Bis(2-ethylhexyl)phthalate	µg/L	2.3 MDL	<1.3 MDL	<1.3 MDL				
Bromophenyl Phenyl Ether, 4-	µg/L	<10	<10	<10				
Butyl Benzyl Phthalate	µg/L	<10	<10	<10				
Chloronaphthalene, 2-	µg/L	<10	<10	<10				
Chlorophenol, 2-	µg/L	<10	<10	<10				
Chlorophenyl Phenyl Ether, 4-	µg/L	<10	<10	<10				
Chrysene	µg/L	<10	<10	<10				
Di-n-butyl Phthalate	µg/L	<10	<10	<10				
Di-n-octyl Phthalate	µg/L	<10	<10	<10				
Dibenzo[a,h]anthracene	µg/L	<10	<10	<10				
Dichloro-2-butylene, 1,4-trans-	µg/L							
Dichlorobenzidine, 3,3'-	µg/L	<10	<10	<10				
Dichlorophenol, 2,4-	µg/L	<10	<10	<10				
Diethyl Phthalate	µg/L	<10	<10	<10				
Dimethyl Phthalate	µg/L	<10	<10	<10				
Dimethylphenol, 2,4-	µg/L	<10	<10	<10				
Dinitro-o-cresol, 4,6-	µg/L	<10	<10	<10				
Dinitrophenol, 2,4-	µg/L	<10	<10	<10				
Dinitrotoluene, 2,4-	µg/L	<10	<10	<10				
Dinitrotoluene, 2,6-	µg/L	<10	<10	<10				

Notes: 1. Printed on 10/26/98

**LEA**

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 9 of 18

	Location ID	NK-SB-226	NK-SB-227	NK-SB-229	NK-SB-47	NK-SB-47	NK-SB-48	NK-SB-48
Sample ID	1021834	1021835	1021832	1017207	1017207	1017210	1017210	1017210
Sample Date	12/16/1996	12/16/1996	12/16/1996	08/13/1996	08/13/1996	08/14/1996	08/14/1996	08/14/1996
Sample Time	15:10	15:45	14:10	16:05	16:05	11:10	11:10	11:10
Sample Depth	10.0' - 12.0'	10.0' - 12.0'	10.0' - 12.0'	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'
Laboratory	AEL	AEL	AEL	AEL	LEA	AEL	LEA	LEA
Lab. Number	AEL96014077	AEL96014078	AEL96014075	AEL96008991	96-3998-128	AEL96009064	96-4035-052	
Constituent	Units							
Diphenylhydrazine, 1,2-	µg/L	<10	<10	<10				
Fluoranthene	µg/L	<10	<10	<10				
Fluorene	µg/L	<10	<10	<10				
Hexachlorobutadiene	µg/L	<10	<10	<10				
Hexachloroethane	µg/L	<1.2 MDL	<1.2 MDL	<1.2 MDL				
Indeno(1,2,3-cd)pyrene	µg/L	<10	<10	<10				
Isophorone	µg/L	<10	<10	<10				
N-nitroso-n-propylamine	µg/L	<10	<10	<10				
N-nitrosodimethylamine	µg/L	<10	<10	<10				
N-nitrosodiphenylamine	µg/L	<10	<10	<10				
Naphthalene	µg/L	47	<10	<10				
Nitrobenzene	µg/L	<10	<10	<10				
Nitrophenol, 2-	µg/L	<10	<10	<10				
Nitrophenol, 4-	µg/L	<10	<10	<10				
Pentachlorophenol	µg/L	<0.63 MDL	<0.63 MDL	<0.64 MDL				
Phenanthere	µg/L	<1.1 MDL	<1.1 MDL	<1.1 MDL				
Phenol	µg/L	<10	<10	<10				
Propane), 2,2'-oxybis(2-chloro-	µg/L	<10	<10	<10				
Pyrene	µg/L	<10	<10	<10				
Trichlorophenol, 2,4,6-	µg/L	<10	<10	<10				
Acetone	µg/L	<50	<6.0	<4.0	<20			
Acrolein	µg/L	<15	<15	<15	<10			
Acrylonitrile	µg/L	<0.65	<0.65	<0.65	<0.66 **			
Allyl Chloride	µg/L							
Benzene	µg/L	1.1	<1.0	<1.0	<1.0			
Benzene (screening)	µg/L					<1		<1
Bromobenzene	µg/L	<1.0	<1.0	<1.0	<4.0			
Bromoform	µg/L	<1.0	<1.0	<1.0	<4.0			

Notes: 1. Printed on 10/26/98

**LEA**

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 10 of 18

	Location ID	NK-SB-226	NK-SB-227	NK-SB-229	NK-SB-47	NK-SB-47	NK-SB-48	NK-SB-48
	Sample ID	1021834	1021835	1021832	1017207	1017207	1017210	1017210
	Sample Date	12/16/1996	12/16/1996	12/16/1996	08/13/1996	08/13/1996	08/14/1996	08/14/1996
	Sample Time	15:10	15:45	14:10	16:05	16:05	11:10	11:10
	Sample Depth	10.0' - 12.0'	10.0' - 12.0'	10.0' - 12.0'	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'
	Laboratory	AEL	AEL	AEL	AEL	LEA	AEL	LEA
	Lab. Number	AEL96014077	AEL96014078	AEL96014075	AEL96008991	96-3998-128	AEL96009064	96-4035-052
Constituent	Units							
Carbon Disulfide	µg/L	<1.0	<1.0	<1.0	<4.0			
Carbon Tetrachloride	µg/L	<1.0	<1.0	<1.0	<4.0			
Chlorobenzene	µg/L	<1.0	<1.0	<1.0	<4.0			
Chlorodibromomethane	µg/L	<0.50	<0.50	<0.50	<0.31 **			
Chloroethane	µg/L	<1.0	<1.0	<1.0	<4.0			
Chloroethyl Vinyl Ether,2-	µg/L	<1.0	<1.0	<1.0	<4.0			
Chloroform	µg/L	<1.0	<1.0	<1.0	<4.0			
Chloroprene,beta-	µg/L							
Chlorotoluene,o-	µg/L	<1.0	<1.0	<1.0	<4.0			
Chlorotoluene,p-	µg/L	<1.0	<1.0	<1.0	<4.0			
Dibromomethane	µg/L	<1.0	<1.0	<1.0	<4.0			
Dichlorobenzene,1,2-	µg/L	<1.0	<1.0	<1.0	<4.0			
Dichlorobenzene,1,3-	µg/L	<1.0	<1.0	<1.0	<4.0			
Dichlorobenzene,1,4-	µg/L	<1.0	<1.0	<1.0	<4.0			
Dichlorobromomethane	µg/L	<1.0	<1.0	<1.0	<4.0			
Dichlorodifluoromethane	µg/L	<1.0	<1.0	<1.0	<4.0			
Dichloroethane,1,1-	µg/L	<1.0	<1.0	<1.0	<4.0			
Dichloroethane,1,2-	µg/L	<1.0	<1.0	<1.0	<1.0			
Dichloroethylene,1,1-	µg/L	<1.0	<1.0	<1.0	<1.4			
Dichloroethylene,1,2-	µg/L							
Dichloroethylene,1,2-cis-	µg/L	<1.0	<1.0	<1.0	<4.0			
Dichloroethylene,1,2-trans-	µg/L	<1.0	<1.0	<1.0	<4.0			
Dichloropropane,1,2-	µg/L	<1.0	<1.0	<1.0	<4.0			
Dichloropropylene,1,3-	µg/L							
Dichloropropylene,1,3-cis-	µg/L	<0.50	<0.50	<0.50	<0.22 **			
Dichloropropylene,1,3-trans-	µg/L	<0.50	<0.50	<0.50	<0.82			
Dioxane,1,4-	µg/L							
Ethanol	µg/L							

Notes: 1. Printed on 10/26/98

LEA

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 11 of 18

	Location ID	NK-SB-226	NK-SB-227	NK-SB-229	NK-SB-47	NK-SB-47	NK-SB-48	NK-SB-48
Sample ID	1021834	1021835	1021832	1017207	1017207	1017210	1017210	1017210
Sample Date	12/16/1996	12/16/1996	12/16/1996	08/13/1996	08/13/1996	08/14/1996	08/14/1996	08/14/1996
Sample Time	15:10	15:45	14:10	16:05	16:05	11:10	11:10	11:10
Sample Depth	10.0' - 12.0'	10.0' - 12.0'	10.0' - 12.0'	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'
Laboratory	AEL	AEL	AEL	AEL	LEA	AEL	AEL	LEA
Lab. Number	AEL96014077	AEL96014078	AEL96014075	AEL96008991	96-3998-128	AEL96009064	96-4035-052	
Constituent	Units							
Ethyl Ether	µg/l							
Ethyl Methacrylate	µg/L							
Ethylbenzene	µg/L	210	1.9	<1.0	<4.0			
Ethylbenzene (screening)	µg/l					<3		<3
Ethylene Dibromide	µg/L							
Hexanone,2-	µg/L	<10	<2.0	<2.0	<10			
Iodomethane	µg/L							
Isobutyl Alcohol	µg/L							
Methacrylonitrile	µg/L							
Methyl Bromide	µg/L	<1.0	<1.0	<1.0	<4.0			
Methyl Chloride	µg/L	<1.0	<1.0	<1.0	<4.0			
Methyl Ethyl Ketone	µg/L	<10	<2.0	<2.0	<10			
Methyl Methacrylate	µg/L							
Methyl-2-pentanone,4-	µg/L	<10	<2.0	<2.0	<10			
Methyl-tert-butyl Ether	µg/L	<1.0	<1.0	<1.0	<4.0			
Methylene Chloride	µg/L	<3.0	<3.0	<2.0	<4.0			
Propionitrile	µg/L							
Styrene	µg/L	<30	<1.0	<1.0	<4.0			
Tetrachloroethane,1,1,1,2-	µg/L	<1.0	<1.0	<1.0	<1.0			
Tetrachloroethane,1,1,2,2-	µg/L	<0.50	<0.50	<0.50	<0.30 **			
Tetrachloroethylene	µg/L	1.5	<1.0	<1.0	<4.0			
Tetrachloroethylene (screening)	µg/l					<4		<4
Toluene	µg/L	670	1.2	<1.0	<4.0			
Toluene (screening)	µg/l					<2		<2
Trichlorobenzene,1,2,4-	µg/L	<10	<10	<10				
Trichloroethane,1,1,1-	µg/L	1.0	<1.0	<1.0	<4.0			
Trichloroethane,1,1,1- (screening)	µg/l					<36		<36
Trichloroethane,1,1,2-	µg/L	<1.0	<1.0	<1.0	<4.0			

Notes: 1. Printed on 10/26/98

**LEA**

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

DRAFT

Page 12 of 18

Notes: 1. Printed on 10/26/98

LEA

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 13 of 18

	Location ID	NK-SB-49	NK-SB-49	NK-SB-50				
Sample ID	1017213	1017213	1017215					
Sample Date	08/14/1996	08/14/1996	08/15/1996					
Sample Time	14:58	14:58	10:30					
Sample Depth	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'					
Laboratory	AEL	LEA	LEA					
Lab. Number	AEL96009065	96-4036-053	96-4037-054					
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	08/16/1996						
Date Organics Analyzed	-		08/20/1996	08/20/1996				
Date Physical Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L	<0.010						
Barium	mg/L	<0.050						
Cadmium	mg/L	<0.0010						
Chromium	mg/L	<0.050						
Chromium (Total)	mg/l							
Copper	mg/l							
Lead	mg/L	<0.0050						
Mercury	mg/L	<0.0010						
Nickel	mg/L	<0.10						
Selenium	mg/L	<0.010						
Silver	mg/L	<0.050						
Zinc	mg/L	<0.050						
Dibromo-3-chloropropane,1,2-	µg/L							
Hexachlorobenzene	µg/L							
Hexachlorocyclopentadiene	µg/L							
Total Petroleum Hydrocarbons	mg/L							
Acenaphthene	µg/L							
Acenaphthylene	µg/L							
Anthracene	µg/L							

Notes: 1. Printed on 10/26/98

**LEA**

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 14 of 18

	Location ID	NK-SB-49	NK-SB-49	NK-SB-50				
	Sample ID	1017213	1017213	1017215				
	Sample Date	08/14/1996	08/14/1996	08/15/1996				
	Sample Time	14:58	14:58	10:30				
	Sample Depth	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'				
	Laboratory	AEL	LEA	LEA				
	Lab. Number	AEL96009065	96-4036-053	96-4037-054				
Constituent	Units							
Benzidine	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Benzo[ghi]perylene	µg/L							
Benzo[k]fluoranthene	µg/L							
Bis(2-chloroethoxy)methane	µg/L							
Bis(2-chloroethyl) Ether	µg/L							
Bis(2-ethylhexyl)phthalate	µg/L							
Bromophenyl Phenyl Ether, 4-	µg/L							
Butyl Benzyl Phthalate	µg/L							
Chloronaphthalene,2-	µg/L							
Chlorophenol,2-	µg/L							
Chlorophenyl Phenyl Ether,4-	µg/L							
Chrysene	µg/L							
Di-n-butyl Phthalate	µg/L							
Di-n-octyl Phthalate	µg/L							
Dibenzo[a,h]anthracene	µg/L							
Dichloro-2-butylene,1,4-trans-	µg/L							
Dichlorobenzidine,3,3'-	µg/L							
Dichlorophenol,2,4-	µg/L							
Diethyl Phthalate	µg/L							
Dimethyl Phthalate	µg/L							
Dimethylphenol,2,4-	µg/L							
Dinitro-o-cresol,4,6-	µg/L							
Dinitrophenol,2,4-	µg/L							
Dinitrotoluene,2,4-	µg/L							
Dinitrotoluene,2,6-	µg/L							

Notes: 1. Printed on 10/26/98

**LEA**

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 15 of 18

	Location ID	NK-SB-49	NK-SB-49	NK-SB-50				
Sample ID	1017213	1017213	1017215					
Sample Date	08/14/1996	08/14/1996	08/15/1996					
Sample Time	14:58	14:58	10:30					
Sample Depth	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'					
Laboratory	AEL	LEA	LEA					
Lab. Number	AEL96009065	96-4036-053	96-4037-054					
Constituent	Units							
Diphenylhydrazine, 1,2-	µg/L							
Fluoranthene	µg/L							
Fluorene	µg/L							
Hexachlorobutadiene	µg/L							
Hexachloroethane	µg/L							
Indeno(1,2,3-cd)pyrene	µg/L							
Isophorone	µg/L							
N-nitroso-n-propylamine	µg/L							
N-nitrosodimethylamine	µg/L							
N-nitrosodiphenylamine	µg/L							
Naphthalene	µg/L							
Nitrobenzene	µg/L							
Nitrophenol,2-	µg/L							
Nitrophenol,4-	µg/L							
Pentachlorophenol	µg/L							
Phenanthrene	µg/L							
Phenol	µg/L							
Propane),2,2'-oxybis(2-chloro-	µg/L							
Pyrene	µg/L							
Trichlorophenol,2,4,6-	µg/L							
Acetone	µg/L							
Acrolein	µg/L							
Acrylonitrile	µg/L							
Allyl Chloride	µg/L							
Benzene	µg/L							
Benzene (screening)	µg/L		<7	<1				
Bromobenzene	µg/L							
Bromoform	µg/L							

Notes: 1. Printed on 10/26/98

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 16 of 18

	Location ID	NK-SB-49	NK-SB-49	NK-SB-50				
	Sample ID	1017213	1017213	1017215				
	Sample Date	08/14/1996	08/14/1996	08/15/1996				
	Sample Time	14:58	14:58	10:30				
	Sample Depth	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'				
	Laboratory	AEL	LEA	LEA				
	Lab. Number	AEL96009065	96-4036-053	96-4037-054				
Constituent	Units							
Carbon Disulfide	µg/L							
Carbon Tetrachloride	µg/L							
Chlorobenzene	µg/L							
Chlorodibromomethane	µg/L							
Chloroethane	µg/L							
Chloroethyl Vinyl Ether,2-	µg/L							
Chloroform	µg/L							
Chloroprene,beta-	µg/L							
Chlorotoluene,o-	µg/L							
Chlorotoluene,p-	µg/L							
Dibromomethane	µg/L							
Dichlorobenzene,1,2-	µg/L							
Dichlorobenzene,1,3-	µg/L							
Dichlorobenzene,1,4-	µg/L							
Dichlorobromomethane	µg/L							
Dichlorodifluoromethane	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethane,1,2-	µg/L							
Dichloroethylene,1,1-	µg/L							
Dichloroethylene,1,2-	µg/L							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Dichloropropane,1,2-	µg/L							
Dichloropropylene,1,3-	µg/L							
Dichloropropylene,1,3-cis-	µg/L							
Dichloropropylene,1,3-trans-	µg/L							
Dioxane,1,4-	µg/L							
Ethanol	µg/L							

Notes: 1. Printed on 10/26/98

LEA

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

**DRAFT**

Page 17 of 18

	Location ID	NK-SB-49	NK-SB-49	NK-SB-50				
Sample ID	1017213	1017213	1017215					
Sample Date	08/14/1996	08/14/1996	08/15/1996					
Sample Time	14:58	14:58	10:30					
Sample Depth	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'					
Laboratory	AEL	LEA	LEA					
Lab. Number	AEL96009065	96-4036-053	96-4037-054					
Constituent	Units							
Ethyl Ether	µg/L							
Ethyl Methacrylate	µg/L							
Ethylbenzene	µg/L							
Ethylbenzene (screening)	µg/L		<14	<3				
Ethylene Dibromide	µg/L							
Hexanone,2-	µg/L							
Iodomethane	µg/L							
Isobutyl Alcohol	µg/L							
Methacrylonitrile	µg/L							
Methyl Bromide	µg/L							
Methyl Chloride	µg/L							
Methyl Ethyl Ketone	µg/L							
Methyl Methacrylate	µg/L							
Methyl-2-pentanone,4-	µg/L							
Methyl-tert-butyl Ether	µg/L							
Methylene Chloride	µg/L							
Propionitrile	µg/L							
Styrene	µg/L							
Tetrachloroethane,1,1,1,2-	µg/L							
Tetrachloroethane,1,1,2,2-	µg/L							
Tetrachloroethylene	µg/L							
Tetrachloroethylene (screening)	µg/L		<18	<4				
Toluene	µg/L							
Toluene (screening)	µg/L		<10	<2				
Trichlorobenzene,1,2,4-	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethane,1,1,1- (screening)	µg/L		<179	<36				
Trichloroethane,1,1,2-	µg/L							

Notes: 1. Printed on 10/26/98

**Table 5**  
**SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER**  
**P&W East Hartford: X-312 Tank Farm**

*DRAFT*

Page 18 of 18

Notes: 1. Printed on 10/26/98

LEA

**Table 6**  
**SOIL EXCEEDANCES OF THE RESIDENTIAL DIRECT EXPOSURE CRITERIA**  
**P&W East Hartford: X-312 Tank Farm**

DRAFT

Page 1 of 1

Notes: 1. Only Exceedances Shown  
2. Printed on 10/26/98



**Table 7** *DRAFT*  
**SOIL EXCEEDANCES OF THE INDUSTRIAL/COMMERCIAL DIRECT EXPOSURE CRITERIA**  
**P&W East Hartford: X-312 Tank Farm**

Page 1 of 1

Notes: 1. Only Exceedances Shown  
2. Printed on 10/26/98



**Table 8**  
**SOIL EXCEEDANCES OF THE GB POLLUTANT MOBILITY CRITERIA**  
**P&W East Hartford: X-312 Tank Farm**

*DRAFT*

Page 1 of 1

Notes: 1. Only Exceedances Shown  
2. Printed on 10/26/98

LEA

**DRAWINGS**

**US EPA New England  
RCRA Document Management System  
Image Target Sheet**

**RDMS Document ID # 2441**

**Facility Name: PRATT & WHITNEY - MAIN STREET**

**Facility ID#: CTD990672081**

**Phase Classification: R-5**

**Purpose of Target Sheet:**

**Oversized (in Site File)**       **Oversized (in Map Drawer)**

**Page(s) Missing (Please Specify Below)**

**Privileged**

**Other (Provide Purpose Below)**

**Description of Oversized Material, if applicable:**

**FIGURE 1: SOIL INVESTIGATIONS, X-312 TANK FARM AREA, LOCATION & CONSTITUENTS DETECTED MAP**

**Map**     **Photograph**     **Other (Specify Below)**

**\* Please Contact the EPA New England RCRA Records Center to View This Document \***

**US EPA New England  
RCRA Document Management System  
Image Target Sheet**

**RDMS Document ID # 2441**

**Facility Name: PRATT & WHITNEY - MAIN STREET**

**Facility ID#: CTD990672081**

**Phase Classification: R-5**

**Purpose of Target Sheet:**

**Oversized (in Site File)**       **Oversized (in Map Drawer)**

**Page(s) Missing (Please Specify Below)**

**Privileged**

**Other (Provide Purpose Below)**

**Description of Oversized Material, if applicable:**

**FIGURE 2: GOUNDWATER INVESTIGATIONS, X-312  
TANK FARM AREA, LOCATION & CONSTITUENTS  
DETECTED MAP**

**Map**     **Photograph**     **Other (Specify Below)**